DOCUMENT RESUME

ED 121 670 SO 009 045

TITLE Educational Research in Finland 1973. Revised.
INSTITUTION Jyvaskyla Univ. (Finland). Inst. for Educational Research.
PUB DATE 74
NOTE 343p.; For a related document, see ED 090 077; Not available in hard copy due to marginal legibility of original document

EDRS PRICE MF-$0.83 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS *Comparative Education; *Educational Research; Educational Researchers; Foreign Countries; Higher Education; *Institutional Research; *National Surveys; Research Methodology; *Research Projects
IDENTIFIERS *Finland

ABSTRACT

One-hundred and two ongoing projects and 66 completed projects are described in this survey of educational research in Finland. This is the second English-language survey of Finnish educational research, the first of which covered the years 1971-72. The research projects are concerned with such topics as educational objectives; curriculum; evaluation; preschool, elementary, secondary, and higher education; vocational education; teacher education; language and second language development; educational history, philosophy, and theory; and educational planning. The following information is included for each research institute listed: (1) title of research being conducted; (2) names of researchers; (3) bibliographical reference indicating where a report on the research has been or will be published; (4) background, aims, and methodology of project; (5) starting and completion dates; (6) source of finance; and (7) subject descriptors. Separate indexes for descriptors in English, French, and German and an index of researchers are provided. (Author/MK)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

KASVATUSTIETEIDEN TUTKIMUSLAITOS. SELOSTEITA JA TIEDOTTEITA

INSTITUTE FOR EDUCATIONAL RESEARCH. BULLETIN

JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

ED121670

SO 009 045

24/1974

Educational research in Finland 1973

EUDISED

MAR 1 9 1976

EDUCATIONAL RESEARCH IN FINLAND 1973

BEST COPY AVAILABLE

Kasvatustieteiden tutkimuslaitos. Selosteita ja tiedotteita 24/1974
ISBN 951-677-386-9

CONTENTS

Page

Foreword I

Helsingin yliopisto. Kasvatustieteen laitos -
Institute of Education, University of Helsinki
Fabianinkatu 28, 00100 Helsinki 10 1

Helsingin yliopisto. Ravitsemustieteen laitos -
Department of Nutrition, University of Helsinki
Viikki, 00710 Helsinki 71 19

Helsingin yliopisto. Sosiaalipolitiikan laitos -
Institute of Social Policy, University of Helsinki
Franzeninkatu 13, 00500 Helsinki 50 20

Joensuun korkeakoulu. Kasvatustieteen laitos -
Institute of Education, University of Joensuu
Tulliportinkatu 1 a, 80100 Joensuu 10 23

Joensuun korkeakoulu. Karjalan tutkimuslaitos -
Karelian Institute, University of Joensuu
80100 Joensuu 10 24

Jyväskylän yliopisto. Erityispedagogiikan laitos -
Institute of Special Education, University of Jyväskylä
Seminaarinkatu 15, 40100 Jyväskylä 10 34

Jyväskylän yliopisto. Kasvatustieteen laitos -
Institute of Education, University of Jyväskylä
Seminaarinkatu 15, 40100 Jyväskylä 10 36

Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos -
Institute for Educational Research, University of Jyväskylä
Seminaarinkatu 15, 40100 Jyväskylä 10 39

Jyväskylän yliopisto. Liikuntakasvatuksen laitos -
Department of Physical Education, University of Jyväskylä
Seminaarinkatu 15, 40100 Jyväskylä 10 129

Jyväskylän yliopisto. Psykologian laitos -
Institute of Psychology, University of Jyväskylä
Seminaarinkatu 15, 40100 Jyväskylä 10 133

Kouluhallitus. Suunnittelutoimisto -
National Board of Education, Planning Bureau
Eteläesplanadikatu 16, 00130 Helsinki 13 135

Oulun yliopisto. Käyttäytymistieteiden laitos -
Institute of Behavioral Sciences, University of Oulu
Kasarmintie 4, 90100 Oulu 10 137

Page

Tampereen yliopisto. Aikuiskasvatuksen laitos -
Institute of Adult Education, University of Tampere
Kalevantie 4, 33100 Tampere 10 139

Tampereen yliopisto. Kasvatustieteen laitos -
Institute of Education, University of Tampere
Kalevantie 4, 33100 Tampere 10 142

Tampereen yliopisto. Psykologian laitos -
Institute of Psychology, University of Tampere
Kalevantie 4, 33100 Tampere 10 150

Tampereen yliopisto. Tutkimuslaitos -
Research Institute, University of Tampere
Kalevantie 4, 33100 Tampere 10 154

Turun yliopisto. Kasvatustieteen laitos -
Institute of Education, University of Turku
Lemminkäisenkatu 1, 20520 Turku 52 155

Turun yliopisto. Psykologian laitos -
Institute of Psychology, University of Turku
Puolalanpuisto 4 A b, 20100 Turku 10 162

Åbo Akademi. Pedagogiska institutionen -
Institute of Education, Åbo Akademi
Vårdberggatan 1 a, 20700 Åbo 70 163

Subject index 166

Index of researchers 179

FOREWORD

In accordance with the decision of the Committee for Educational Research in 1972, the European surveys of educational research, which had in 1968/69 and 1970/71 been published by the Documentation Centre for Education in Europe, have been undertaken by the member states participating in the EUDISED project. In Finland this work has been done by the Institute for Educational Research at the University of Jyväskylä. The first survey was published in 1973 (Educational research in Finland 1971-72. Reports from the Institute for Educational Research 175/1973).

The second national survey in Finnish was published in two separate catalogues: the ongoing research projects (Nr 22/1974, contains a description of 134 projects) and completed research (Nr 23/1974, contains 106 projects). The national language surveys and the English language version were almost completed in early spring. The projects were indexed with ERIC thesaurus. The decision taken at the Second Annual Meeting of Editors of National Surveys of Educational Research that the new EUDISED thesaurus should be used has caused a delay of six months in the publication of the three catalogues. This change has also caused some difficulties for typing and lay-out. The editors thought it worth while to use all three languages (English, French and German) in indexing, instead of only English and French.

The official language version contains a description of 102 ongoing and 66 completed projects. Thus 32 ongoing projects and 40 completed projects are left out from the official language version, 23,9 per cent and 37,7 per cent respectively. The final selection was made by the editors. If an ongoing research project mentioned in the 1971-72 survey is still underway, only a short description is provided and reference is made to the earlier report e.g. see SF 15/1973, which means the project on page 15 of the previous English-language survey.

The research institutes are listed in alphabetical order according to the town in which they are located. Within each institute the studies are presented also in alphabetical order according to the principal researcher.

The editors had some difficulties in finding always appropriate descriptors for each project. This may in part be due to them being accustomed to the ERIC thesaurus and inexperience in using the multilingual EUDISED thesaurus.

FOREWORD

In accordance with the decision of the Committee for Educational Research in 1972, the European surveys of educational research, which had in 1968/69 and 1970/71 been published by the Documentation Centre for Education in Europe, have been undertaken by the member states participating in the EUDISED project. In Finland this work has been done by the Institute for Educational Research at the University of Jyväskylä. The first survey was published in 1973 (Educational research in Finland 1971-72. Reports from the Institute for Educational Research 175/1973).

The second national survey in Finnish was published in two separate catalogues: the ongoing research projects (Nr 22/1974, contains a description of 134 projects) and completed research (Nr 23/1974, contains 106 projects). The national language surveys and the English language version were almost completed in early spring. The projects were indexed with ERIC thesaurus. The decision taken at the Second Annual Meeting of Editors of National Surveys of Educational Research that the new EUDISED thesaurus should be used has caused a delay of six months in the publication of the three catalogues. This change has also caused some difficulties for typing and lay-out. The editors thought it worth while to use all three languages (English, French and German) in indexing, instead of only English and French.

The official language version contains a description of 102 ongoing and 66 completed projects. Thus 32 ongoing projects and 40 completed projects are left out from the official language version, 23,9 per cent and 37,7 per cent respectively. The final selection was made by the editors. If an ongoing research project mentioned in the 1971-72 survey is still underway, only a short description is provided and reference is made to the earlier report e.g. see SF 15/1973, which means the project on page 15 of the previous English-language survey.

The research institutes are listed in alphabetical order according to the town in which they are located. Within each institute the studies are presented also in alphabetical order according to the principal researcher.

The editors had some difficulties in finding always appropriate descriptors for each project. This may in part be due to them being accustomed to the ERIC thesaurus and inexperience in using the multilingual EUDISED thesaurus.

Particularly difficult to index were concepts such as non-graded, flexible scheduling, instructional process analysis, retention, prediction, subject-matter.

Sauli Takala
Head of Department
Institute for Educational
Research

Toini Alhainen
Documentalist
Institute for Educational
Research

PROJECT TITLE:	Selection of students for teacher education
CARRIED OUT AT:	Institute of Education University of Helsinki (see SF 1/1973)
RESEARCHERS	Alikoski, Johannes, Ph.D. Jussila, Jubani, Ph.D. Hytönen, Juhani, Ph.D. Komulainen, Erkki, Ph.D.
DESCRIPTORS	teacher education / formation des enseignants / Lehrerbildung recruitment / recrutement / Anwerbung selection / selection / Auslese entrance examination / examen d'entree / Aufnahm prüfung
PROJECT TITLE:	Research project on the nongraded senior secondary school
CARRIED OUT AT:	Institute of Education, University of Helsinki (see SF 15/1973)
RESEARCHERS	Kava, Leena, M.A. Shemeikka, Sirpa, M.A.
DESCRIPTORS	innovation / innovation / Innovation experimental school / ecole experimentale / Versuchsschule secondary education / enseignement secondaire / Sekundarbildung time-table / emploi du temps / Stundentafel

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Helsinki-Turku-projekti Helsinki-Turku project
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Alikoski, Johannes, Ass.prof. Hytönen, Juhani, Ph.D. Kontiainen, Seppo, Ph.D.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to analyze teaching practice experiences and supervision of training. The study deals with changes in attitudes to education, expectations directed at supervisors, supervisor-student interaction and factors related to the evaluation and predictability of teaching skill. The subjects are about 100 female and male students who finished their training at two teacher training colleges in 1967 and the supervisors of their teacher training. Recurring attitude measurements and inquiries about expectations were carried out during the training period. Teachers and students have rated each other's behaviour. A wide range of personality and ability tests were used. Data analysis by means of different multivariate analyses. This project is divided into several closely related studies. Separate reports have been published and will be published about them as they are completed. The sub-reports have also been presented as theses for a degree.
TIME SCHEDULE	Starting date __/65 Probable completion date __/__
SOURCE OF FINANCE	Funds are acquired annually from Finnish research councils for the hiring of auxiliary staff
DESCRIPTORS	**attitude / attitude / Einstellung** **assessment / appreciation / Bewertung** **teacher education / formation des enseignants /**

ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Alikoski, Johannes, Ass.prof. Hytönen, Juhani, Ph.D. Kontiainen, Seppo, Ph.D.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS	The purpose is to analyze teaching practice experiences and supervision of training. The study deals with changes in attitudes to education, expectations directed at supervisors, supervisor-student interaction and factors related to the evaluation and predictability of teaching skill.
SAMPLE METHODS	The subjects are about 100 female and male students who finished their training at two teacher training colleges in 1967 and the supervisors of their teacher training. Recurring attitude measurements and inquiries about expectations were carried out during the training period. Teachers and students have rated each other's behaviour. A wide range of personality and ability tests were used. Data analysis by means of different multivariate analyses.
	This project is divided into several closely related studies. Separate reports have been published and will be published about them as they are completed. The sub-reports have also been presented as theses for a degree.
TIME SCHEDULE	Starting date __/65 Probable completion date __/__
SOURCE OF FINANCE	Funds are acquired annually from Finnish research councils for the hiring of auxiliary staff
DESCRIPTORS	attitude / attitude / Einstellung assessment / appreciation / Bewertung teacher education / formation des enseignants / Lehrerbildung

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Opettajakokelaiden opetusharjoittelukäyttäytymisen selittämisestä eräiden persoonallisuuspiirteiden avulla The explaining of teacher trainees' practice teaching behaviour by means of some personality traits
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Hytönen, Juhani, Ph.D.
BIBLIOGRAPHIC REFERENCE	Hytönen, Juhani, Opettajakokelaiden opetusharjoittelukäyttäytymisen selittämisestä eräiden persoonallisuuspiirteiden avulla. Helsingin yliopisto. Kasvatustieteen laitos. Report 26, 1973, 243p, ISBN 951-45-0134-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study whether teacher trainees' practice teaching behaviour can be explained by means of their personality traits. The sample consists of 189 pupils from Helsinki and Turku teacher training colleges who were in the second from in the school year 1966-67. The sample was divided into 4 equally large groups according to college and sex. Dependent variables were determined by a 5-dimensional model describing teacher trainees' practice teaching behaviour. The model is derived from evaluations made by the supervisors of the practice teaching by means of factor analysis. Independent variables were obtained from replies given by teacher trainees to two personality inventories. The predictability of dependent variables was studied by means of 4-step regression analysis in accordance with the initial hypothes. The results show that despite the conforming effect of the training and the requirements set by practice teaching, trainees on the average still behave in teaching situations in a way characteristic to them. The obtained results are simular for both sexes and both colleges.
TIME SCHEDULE	Starting date __/__ Date of completion___/73
SOURCE OF FINANCE	
DESCRIPTORS	student teacher / eleve maitre / Lehrerstudent teacher education / formation des enseignants /

COMPLETED RESEARCH TITLE OF THE RESEARCH	Opettajakokelaiden opetusharjoittelukäyttäytymisen selittämisestä eräiden persoonallisuuspiirteiden avulla The explaining of teacher trainees' practice teaching behaviour by means of some personality traits
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Hytönen, Juhani, Ph.D.
BIBLIOGRAPHIC REFERENCE	Hytönen, Juhani, Opettajakokelaiden opetusharjoittelukäyttäytymisen selittämisestä eräiden persoonallisuuspiirteiden avulla. Helsingin yliopisto. Kasvatustieteen laitos. Report 26, 1973, 243p, ISBN 951-45-0134-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study whether teacher trainees' practice teaching behaviour can be explained by means of their personality traits. The sample consists of 189 pupils from Helsinki and Turku teacher training colleges who were in the second from in the school year 1966-67. The sample was divided into 4 equally large groups according to college and sex. Dependent variables were determined by a 5-dimensional model describing teacher trainees' practice teaching behaviour. The model is derived from evaluations made by the supervisors of the practice teaching by means of factor analysis. Independent variables were obtained from replies given by teacher trainees to two personality inventories. The predictability of dependent variables was studied by means of 4-step regression analysis in accordance with the initial hypothes. The results show that despite the conforming effect of the training and the requirements set by practice teaching, trainees on the average still behave in teaching situations in a way characteristic to them. The obtained results are simular for both sexes and both colleges.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	student teacher / eleve maitre / Lehrerstudent teacher education / formation des enseignants /

4.

14

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Suomen reaalikoulut. Väliasteen koulu maassamme vuosina 1860-1884 Secondary education in Finland in 1860-1884
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Iisalo, Taimo, Ph. D.
BIBLIOGRAPHIC REFERENCE	Iisalo, Taimo, Suomen reaalikoulut. Väliasteen koulu maassamme vuosina 1860-1884. Helsingin yliopisto. Kasvatustieteen laitos. Report 25, 1973, 183p, ISBN 951-45-0117-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study concerns secondary schools with a curriculum on modern lines (reaalikoulu) which existed for a short time in the second half of the 19th century in Finland. They paid most attention to pupils who needed less knowledge than the traditional secondary school education provided, but more than the knowledge given by primary education. In this study an attempt is made to follow the phases of secondary education starting with the discussion that led to the foundation of "reaalikoulu" and ending with the closing down of this type of school. Main attention has been paid to basic questions related to the educational system and curriculum. The intention was not to write a detailed history of "reaalikoulu".
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	
DESCRIPTORS	**history of education / histoire de l'eduction / Bildungsgeschichte**

	1860-1884
TITLE OF THE RESEARCH	Secondary education in Finland in 1860-1884
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Iisalo, Taimo, Ph. D.
BIBLIOGRAPHIC REFERENCE	Iisalo, Taimo, Suomen reaalikoulut. Väliasteen koulu maassamme vuosina 1860-1884. Helsingin yliopisto. Kasvatustieteen laitos. Report 25, 1973, 183p, ISBN 951-45-0117-9
BACKGROUND, AIMS	The study concerns secondary schools with a curriculum on modern lines (reaalikoulu) which existed for a short time in the second half of the 19th century in Finland. They paid most attention to pupils who needed less knowledge than the traditional secondary school education provided, but more than the knowledge given by primary education. In this study an attempt is made to follow the phases of secondary education starting with the discussion that led to the foundation of "reaalikoulu" and ending with the closing down of this type of school. Main attention has been paid to basic questions related to the educational system and curriculum. The intention was not to write a detailed history of "reaalikoulu".
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion___/73
SOURCE OF FINANCE	
DESCRIPTORS	**history of education / histoire de l'eduction / Bildungsgeschichte**

5.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Tavoitearviointeihin perustuva tutkimus opetuksen affektiivisista tavoitteista A study on the affective objectives of teaching based on evaluations of objectives
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kansanen, Pertti, Ph. D.
BIBLIOGRAPHIC REFERENCE	Kansanen, Pertti, Tavoitearviointeihin perustuva tutkimus opetuksen affektiivisista tavoitteista. Helsingin yliopisto. Kasvatustieteen laitos. Report 24, 1973, 26p, ISBN 951-45-0116-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This study is a summary of the author's five previous studies on problems related to objectives published in the report series of the Institute of Education of the university of Helsinki, 16, 19, 21, 23 and in the Finnish Journal of Education 'Kasvatus' 2(1971), 86-92. The study has been limited to the affective objectives presented by the Comprehensive School Curriculum Committee. Affective objectives have been defined to include such objectives as can be classified as part of Krathwohl's taxonomy of the affective domain. The objectives are grouped into individual and collective objectives. In the first publication of the study the author has dealt with objectives, the problems in the construction of measuring instrument and he has carried out an empirical study based on semantic differential and Nunnally's familiarity dimension. In the second publication the author compares three teacher groups, which differ in teacher experience and teacher training. In the third publication of the study the author has analysed objectives presented by Curriculum Committee mainly from formal viewpoints. In the fourth part the author has studied the level of abstraction of the statements of objectives. In the fifth part the author studies how the affective objectives of teaching can be stated and what the teacher's part in their realization is. In the last part the methodological questions and the results of the studies carried out are discussed.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	theory of education / thoerie de l'education/ Bildungstheorie

COMPLETED RESEARCH	ta tavoitteista
TITLE OF THE RESEARCH	A study on the affective objectives of teaching based on evaluations of objectives
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kansanen, Pertti, Ph. D.
BIBLIOGRAPHIC REFERENCE	Kansanen, Pertti, Tavoitearviointeihin perustuva tutkimus opetuksen affektiivisista tavoitteista. Helsingin yliopisto. Kasvatustieteen laitos. Report 24, 1973, 26p, ISBN 951-45-0116-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This study is a summary of the author's five previous studies on problems related to objectives published in the report series of the Institute of Education of the university of Helsinki, 16, 19, 21, 23 and in the Finnish Journal of Education 'Kasvatus' 2(1971), 86-92. The study has been limited to the affective objectives presented by the Comprehensive School Curriculum Committee. Affective objectives have been defined to include such objectives as can be classified as part of Krathwohl's taxonomy of the affective domain. The objectives are grouped into individual and collective objectives. In the first publication of the study the author has dealt with objectives, the problems in the construction of measuring instrument and he has carried out an empirical study based on semantic differential and Nunnally's familiarity dimension. In the second publication the author compares three teacher groups, which differ in teacher experience and teacher training. In the third publication of the study the author has analysed objectives presented by Curriculum Committee mainly from formal viewpoints. In the fourth part the author has studied the level of abstraction of the statements of objectives. In the fifth part the author studies how the affective objectives of teaching can be stated and what the teacher's part in their realization is. In the last part the methodological questions and the results of the studies carried out are discussed.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	theory of education / thoerie de l'education/ Bildungstheorie aims of education / finalite de l'education / Erziehungsziel teacher education / formation des enseignants /

6.

COUNTRY DATE	Finland December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Muunnettu Bellack-luokitusjärjestelmä opetustapahtuman perusdimensioiden kuvaajana Basic dimensions of an instructional process described by a modified Bellack-taxonomy
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Karma, Kai, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE & METHODS	The purpose is to make the Bellack classification system more simple and to make the data obtained with it more suitable for correlative studies by reducing ipsativity and technical correlations, b) to try to find dimensions by means of which a maximum of the variance of the cognitive, verbal interaction of the instructional process could be described. The sample is approx. 80 lessons in the third and fourth grades of the primary school. The material is coded by means of a modified Bellack-taxonomy. The results are treated with factor analysis in order to obtain a few central dimensions. A licentiate thesis, connected with DPA-Helsinki-project. Supervisor professor Koskenniemi.
TIME SCHEDULE	Starting date IV/72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion observation / observation / Beobachtung theory of education / thoerie de l'education / Bildungstheorie classwork / travail de classe / Arbeit in der Klasse

TITLE OF THE RESEARCH	Basic dimensions of an instructional process described by a modified Bellack-taxonomy
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Karma, Kai, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to make the Bellack classification system more simple and to make the data obtained with it more suitable for correlative studies by reducing ipsativity and technical correlations, b) to try to find dimensions by means of which a maximum of the variance of the cognitive, verbal interaction of the instructional process could be described. The sample is approx. 80 lessons in the third and fourth grades of the primary school. The material is coded by means of a modified Bellack-taxonomy. The results are treated with factor analysis in order to obtain a few central dimensions. A licentiate thesis, connected with DPA-Helsinki-project. Supervisor professor Koskenniemi.
TIME SCHEDULE	Starting date IV/72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion observation / observation / Beobachtung theory of education / thoerie de l'education / Bildungstheorie classwork / travail de classe / Arbeit in der Klasse didactics / didactique / Didaktik

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Omasäätöinen opiskeluohjelma lukion äidinkielenopetuksessa A self-directed Finnish curriculum in the senior secondary school
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kauppinen, Sirppa, Lic.Ph.
BIBLIOGRAPHIC REFERENCE	Kauppinen, Sirppa, Omasäätöinen opiskeluohjelma lukion äidinkielenopetuksessa. Helsingin yliopisto. Kasvatustieteen laitos. Report 28, 1973, 239p. ISBN 951-45-0151-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A Ph.D. thesis under the supervision of prof. Matti Koskenniemi. The study is based on a teaching experiment carried out in a Helsinki senior secondary school in 1969-72, the aim of which was to activate pupils and to increase self-directed study. The teaching of Finnish has been differentiated as to amount of contents and topics, and organized into units. In order to ascertain the feasibility of the programme the study behaviour of pupils was studied in the school year 1970-71 by means of observations, which were complemented by questionnaires and information about background and school achievement (N=66). Pupils' achievements were evaluated mainly with regard to own initiative. - Three quarters of the teaching time was used for pupil-centred working methods, and two thirds of the time used for talking was pupil talk. There were big differences between pupils in participation, the amount of performances ranged from 1 to 8. Two thirds of pupils attained the achievement objective by self-directed study, and a good quarter showed creativity in their performances. Study attitudes were predominantly positive. The results of the final examination showed no change in level in 1966-72. During the development of the programme the proportion of independent and creative performances has increased.
TIME SCHEDULE	Starting date IX / 72 Date of completion IV / 73
SOURCE OF FINANCE	own financing, two grants.
DESCRIPTORS	secondary education / enseignement secondaire / Sekundarbildung

COMPLETED RESEARCH TITLE OF THE RESEARCH	Omasäätöinen opiskeluohjelma lukion äidinkielenopetuksessa A self-directed Finnish curriculum in the senior secondary school
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kauppinen, Sirppa, Lic.Ph.
BIBLIOGRAPHIC REFERENCE	Kauppinen, Sirppa, Omasäätöinen opiskeluohjelma lukion äidinkielenopetuksessa. Helsingin yliopisto. Kasvatustieteen laitos. Report 28, 1973, 239p. ISBN 951-45-0151-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A Ph.D. thesis under the supervision of prof. Matti Koskenniemi. The study is based on a teaching experiment carried out in a Helsinki senior secondary school in 1969-72, the aim of which was to activate pupils and to increase self-directed study. The teaching of Finnish has been differentiated as to amount of contents and topics, and organized into units. In order to ascertain the feasibility of the programme the study behaviour of pupils was studied in the school year 1970-71 by means of observations, which were complemented by questionnaires and information about background and school achievement (N=66). Pupils' achievements were evaluated mainly with regard to own initiative. - Three quarters of the teaching time was used for pupil-centred working methods, and two thirds of the time used for talking was pupil talk. There were big differences between pupils in participation, the amount of performances ranged from 1 to 8. Two thirds of pupils attained the achievement objective by self-directed study, and a good quarter showed creativity in their performances. Study attitudes were predominantly positive. The results of the final examination showed no change in level in 1966-72. During the development of the programme the proportion of independent and creative performances has increased.
TIME SCHEDULE	Starting date IX / 72 Date of completion IV / 73
SOURCE OF FINANCE	own financing, two grants.
DESCRIPTORS	secondary education / enseignement secondaire / Sekundarbildung mother tongue / langue maternelle / Muttersprache activity method / methode active / aktivierende Methode

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Innovaatioprosessi luokattoman lukion kokeilussa ensimmäisen vuoden kokemusten perusteella Innovation process in nongraded senior secondary school experiment
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kava, Leena, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to describe the innovation process in two schools during the first year of the nongraded senior secondary school experiment. The following questions are dealt with in the study: How has the nongraded senior secondary school realized itself and what kind of consequences does it have? How have teachers and pupils experienced its consequences? Do the changes observed support the objectives of the experiment? Which factors have helped the nongraded senior secondary school experiment and which have made it more difficult. The study is primarily a case-study and it it carried out in the secondary schools of Alppila and Mäkelänrinne. The subjects are the teachers of the senior levels of these schools and the first and second-year-pupils of these senior levels. The research methods used are inquiries and interviews. In addition written material can be analyzed. The methods for treating the results are the same as the ones used in typical studies containing "soft data". The study is part of the nongraded senior secondary school project. A licentiate thesis.
TIME SCHEDULE	Starting date II/72 Probable completion date III/74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	**innovation / innovation / Innovation** **secondary education / enseignement secondaire / Sekundarbildung** **experimental school / ecole experimentale /**

TITLE OF THE RESEARCH	vuoden kokemusten perusteella Innovation process in nongraded senior secondary school experiment
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kava, Leena, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to describe the innovation process in two schools during the first year of the nongraded senior secondary school experiment. The following questions are dealt with in the study: How has the nongraded senior secondary school realized itself and what kind of consequences does it have? How have teachers and pupils experienced its consequences? Do the changes observed support the objectives of the experiment? Which factors have helped the nongraded senior secondary school experiment and which have made it more difficult. The study is primarily a case-study and it it carried out in the secondary schools of Alppila and Mäkelänrinne. The subjects are the teachers of the senior levels of these schools and the first and second-year-pupils of these senior levels. The research methods used are inquiries and interviews. In addition written material can be analyzed. The methods for treating the results are the same as the ones used in typical studies containing "soft data". The study is part of the nongraded senior secondary school project. A licentiate thesis.
TIME SCHEDULE	Starting date II/72 Probable completion date III/74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	innovation / innovation / Innovation secondary education / enseignement secondaire / Sekundarbildung experimental school / ecole experimentale / Versuchsschule

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Investigations into the instructional process VIII. On the problems of variable construction from Flanders' interaction matrix with special emphasis on the stochastic nature of classroom communication
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Komulainen, Erkki, Ph. D.
BIBLIOGRAPHIC REFERENCE	Komulainen, Erkki, Ivestigations into the instructional process VIII. On the problems of variable construction from Flanders' interaction matrix with special emphasis on the stochastic nature of classroom communication. University of Helsinki, Institute of Education, Research bulletin 34, 1973, 78p, ISBN 951-45-0133-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This is study is a summary of the author's four previous publications: Investigations into the instructional process. parts I, II, III and IV published in the series of the Institute of Education, University of Helsinki, Research Bulletins 26-29. The main objectives in the studies were: 1) the study of the reliability problem connected with the observation method, 2) the analysis of interaction sequences by different methods, 3) the study of sequencies as a stochastic process with regard to redundancy changes. The empirical material of the thesis consisted of 25 lessons which were recorded on video-tape. First this material was classified on the basis of Flanders' interaction analysis and arranged by means of the O-technique of factor analysis. In the second phase the objectivity of coding was studied by means of Scott's Pii-coefficient and the agreement coefficient developed by the author. In the third phase the material obtained by means of Flanders' interaction analysis was studied by means of the P-technique of factor analysis. In the fourth phase the researcher used a stochastic process model in the study of successive observations. In the fifth phase the results were reviewed and the problems were analyzed in greater depth. The results do not give a very favourable picture of the feasibility of Flanders' interaction analysis as such for the description of didactic processes. The results are, however, useful in the further development of analytical methods.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion observation / observation / Beobachtung communication / communication / Kommunikati

TITLE OF THE RESEARCH	of classroom communication
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Komulainen, Erkki, Ph. D.
BIBLIOGRAPHIC REFERENCE	Komulainen, Erkki, Ivestigations into the instructional process VIII. On the problems of variable construction from Flanders' interaction matrix with special emphasis on the stochastic nature of classroom communication. University of Helsinki, Institute of Education, Research bulletin 34, 1973, 78p, ISBN 951-45-0133-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This is study is a summary of the author's four previous publications: Investigations into the instructional process. parts I, II, III and IV published in the series of the Institute of Education, University of Helsinki, Research Bulletins 26-29. The main objectives in the studies were: 1) the study of the reliability problem connected with the observation method, 2) the analysis of interaction sequences by different methods, 3) the study of sequencies as a stochastic process with regard to redundancy changes. The empirical material of the thesis consisted of 25 lessons which were recorded on video-tape. First this material was classified on the basis of Flanders' interaction analysis and arranged by means of the O-technique of factor analysis. In the second phase the objectivity of coding was studied by means of Scott's Pii-coefficient and the agreement coefficient developed by the author. In the third phase the material obtained by means of Flanders' interaction analysis was studied by means of the P-technique of factor analysis. In the fourth phase the researcher used a stochastic process model in the study of successive observations. In the fifth phase the results were reviewed and the problems were analyzed in greater depth. The results do not give a very favourable picture of the feasibility of Flanders' interaction analysis as such for the description of didactic processes. The results are, however, useful in the further development of analytical methods.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion observation / observation / Beobachtung communication / communication / Kommunikation thory of education / theorie de l'education / Bildungstheorie: didactics / didactique / Didaktik

10.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Opettajakoulutusprojekti/opetustuokiot Teacher training project/Teaching episodes
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Komulainen, Erkki, Ph.D.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS	The purpose is to ascertain the role of a teaching episode in the entrance examination and to study the relationship of the variables obtained from it (behaviour variables) with othe variable groups (personal information, personality etc.).
SAMPLE	The subjects were all students taking part in the entrance examination of teacher training colleges in autumn 1971 (N=837)
METHODS	the intensive analysis of behaviour concerned the students taking part in the entrance examination of the Helsinki teache training college (N=160). In Helsinki the teaching episodes were video-taped, and the analyses are carried out by means of Flanders' 23-category interaction analysis and Bellack's taxonomy.
TIME SCHEDULE	Starting date __/71 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	teacher education / formation des enseignants / Lehrerbildung student teacher / eleve maitre / Lehrerstudent entrance examination / examen d'entree / Aufnahmeprüfung

ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Komulainen, Erkki, Ph.D.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS	The purpose is to ascertain the role of a teaching episode in the entrance examination and to study the relationship of the variables obtained from it (behaviour variables) with othe variable groups (personal information, personality etc.).
SAMPLE METHODS	The subjects were all students taking part in the entrance examination of teacher training colleges in autumn 1971 (N=837 the intensive analysis of behaviour concerned the students taking part in the entrance examination of the Helsinki teache training college (N=160). In Helsinki the teaching episodes were video-taped, and the analyses are carried out by means of Flanders' 23-category interaction analysis and Bellack's taxonomy.
TIME SCHEDULE	Starting date __/71 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	teacher education / formation des enseignants / Lehrerbildung student teacher / eleve maitre / Lehrerstudent entrance examination / examen d'entree / Aufnahmeprüfung

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	The behaviour of supervisors assessed by student teachers
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kontiainen, Seppo Ph.D.
BIBLIOGRAPHIC REFERENCE	Kontiainen, Seppo, The behaviour of supervisors assessed by student teachers. University of Helsinki, Institute of Education, Research Bulletin 37, 1973, 185p. ISBN 951-45-0247-7
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study was intended to analyze the behaviour of supervisors in supervisor-student relationships as experienced by student teachers. Supervisors, 32 college lectures of two Finnish teachers' colleges, were assessed by 189 student teachers; 95 female and 94 male students. The study is part of a wider research project on teacher training, the Helsinki-Turku project. A questionnaire of 20 variables was developed. Altogether 1528 individual supervisor-student relationships were included in the study. The structure of the behaviour of supervisors was studied by factor analyses. Control analyses showed that the students had understood the concepts used in the questionnaire very uniformly. A method of interpreting behaviour was developed, and the relationships between the concepts derived from the factor analysis were analyzed and defined for interpretations of the behaviour of supervisors. The most general types of the behaviour were interpreted, but the same method can also be used to analyze the behaviour of individual supervisors and individual supervisor-student relationships. The study gave primarily diagnostic knowledge about the behaviour of supervisors, and emphasized the need to continue analyses to find out how the behaviour should be changed to achieve better results in supervision.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	teacher education / formation des enseignants / Lehrerbildung

TITLE OF THE RESEARCH	
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Kontiainen, Seppo Ph.D.
BIBLIOGRAPHIC REFERENCE	Kontiainen, Seppo, The behaviour of supervisors assessed by student teachers. University of Helsinki, Institute of Education, Research Bulletin 37, 1973, 185p. ISBN 951-45-0247-7
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study was intended to analyze the behaviour of supervisors in supervisor-student relationships as experienced by student teachers. Supervisors, 32 college lectures of two Finnish teachers' colleges, were assessed by 189 student teachers; 95 female and 94 male students. The study is part of a wider research project on teacher training, the Helsinki-Turku project. A questionnaire of 20 variables was developed. Altogether 1528 individual supervisor-student relationships were included in the study. The structure of the behaviour of supervisors was studied by factor analyses. Control analyses showed that the students had understood the concepts used in the questionnaire very uniformly. A method of interpreting behaviour was developed, and the relationships between the concepts derived from the factor analysis were analyzed and defined for interpretations of the behaviour of supervisors. The most general types of the behaviour were interpreted, but the same method can also be used to analyze the behaviour of individual supervisors and individual supervisor-student relationships. The study gave primarily diagnostic knowledge about the behaviour of supervisors, and emphasized the need to continue analyses to find out how the behaviour should be changed to achieve better results in supervision.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	teacher education / formation des enseignants / Lehrerbildung assessment / appreciation / Bewertung supervision/surveillance / Aufsicht

30

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Investigations into the instructional process 9. Pupils' goal-related behavior during the instructional interaction
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Koskenniemi, Matti, Prof. emer. Holopainen, Pentti, Ph. Lic.
BIBLIOGRAPHIC REFERENCE	Koskenniemi, Matti & Holopainen, Pentti, Investigations into the instructional process 9. Pupils' goal-related behavior duri the instructional interaction. Institute of Education, Universi of Helsinki, Research bulletin 36, 1973, 17p, ISBN 951-45-0197-
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study consists of two experiments which try to find out whether fourth-graders are capable of rating their own goal-related behavior and the behavior of their peers in study situations with the help of video recordings. In the first experiment (1971) the subjects were fourth-grade pupils (two girls, two boys) who met four times at one week's intervals. The second experiment was carried out two years later (1973) with a new group of fourth-grade pupils (two girls, two boys). Both experiments indicate that pupils and experts perceive the interactive study behavior in group work very similary. This behavior is characterized by a clear role differentiation, i.e., the goal-related behavior of pupils remains quite stable from the beginning to the end of the lesson. The accuracy of these perceptions, however, decreases when more complex pattern are to be assessed. Comparing the results with those obtained by Bloom and Siegel, it seems that at fourth-grade level it is not possible to describe and/or classify separately complex chains of goal-related study behavior, neither by information obtained from pupils in stimulated situations nor by experts' ratings. Even though the pupils rank their behavior consistently, the halo effect apparently plays a prominent role in their perceptions. Reliable and specific information about behavior related to study goals, determined on the basis of teacher-pupil discussion could not be obtained within a small sample like this.
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion communication / communication / Kommunikation observation / observation / Beobachtung theory of education / theorie de l'education /

TITLE OF THE RESEARCH	
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Koskenniemi, Matti, Prof. emer. Holopainen, Pentti, Ph. Lic.
BIBLIOGRAPHIC REFERENCE	Koskenniemi, Matti & Holopainen, Pentti, Investigations into the instructional process 9. Pupils' goal-related behavior duri the instructional interaction. Institute of Education, Universi of Helsinki, Research bulletin 36, 1973, 17p, ISBN 951-45-0197-
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study consists of two experiments which try to find out whether fourth-graders are capable of rating their own goal-related behavior and the behavior of their peers in study situations with the help of video recordings. In the first experiment (1971) the subjects were fourth-grade pupils (two girls, two boys) who met four times at one week's intervals. The second experiment was carried out two years later (1973) with a new group of fourth-grade pupils (two girls, two boys). Both experiments indicate that pupils and experts perceive the interactive study behavior in group work very similary. This behavior is characterized by a clear role differentiation, i.e., the goal-related behavior of pupils remains quite stable from the beginning to the end of the lesson. The accuracy of these perceptions, however, decreases when more complex pattern are to be assessed. Comparing the results with those obtained by Bloom and Siegel, it seems that at fourth-grade level it is not possible to describe and/or classify separately complex chains of goal-related study behavior, neither by information obtained from pupils in stimulated situations nor by experts' ratings. Even though the pupils rank their behavior consistently, the halo effect apparently plays a prominent role in their perceptions. Reliable and specific information about behavior related to study goals, determined on the basis of teacher-pupil discussion could not be obtained within a small sample like this.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion communication / communication / Kommunikation observation / observation / Beobachtung theory of education / theorie de l'education / Bildungstheorie: didactics / didactique / Didaktik

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Didaktinen prosessi ja opetussuunnitelman toteutuminen The instructional process and the realization of curriculum
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Koskenniemi, Matti, prof. emer. Komulainen, Erkki, Ph.D. Kansanen, Pertti, Ph.D. Holopainen, Pentti, Ph.Lic. Karma, Kai, M.A. Martikainen, Marja, M.A. Skoglund, Risto, M.A. Koskenniemi, Eeva, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to describe a continuous, integraded series of didactic situations and to look for invariances occuring in it within separate situations as well as between successive situations; 2) to explain the variables of the process by means of teacher, student and goal variables, and the social structure; 3) to study the realization of objectives contained in the official curriculum and teachers' and students' decisions during an instructional process. Observation (mainly TV), the study concerns a school class in the institute laboratory and a sample of school classes in the Helsinki area at class teacher level. The taxonomy used was developed in the first phase of the project (1967-73). The study is by an accomodating follow-up study. This study is the second phase of the DPA-project.
TIME SCHEDULE	Starting date __/73 Probable completion date __/76
SOURCE OF FINANCE	A three-year contract has been made for the project with the Humanitities Research Council.
DESCRIPTORS	interaction / interaction / Interaktion communication / communication / Kommunikation curriculum / programme d'etudes / Bildungsplan

RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Didaktinen prosessi ja opetussuunnitelman toteutuminen The instructional process and the realization of curriculum
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Koskenniemi, Matti, prof. emer. Komulainen, Erkki, Ph.D. Kansanen, Pertti, Ph.D. Holopainen, Pentti, Ph.Lic. Karma, Kai, M.A. Martikainen, Marja, M.A. Skoglund, Risto, M.A. Koskenniemi, Eeva, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to describe a continuous, integraded series of didactic situations and to look for invariances occuring in it within separate situations as well as between successive situations; 2) to explain the variables of the process by means of teacher, student and goal variables, and the social structure; 3) to study the realization of objectives contained in the official curriculum and teachers' and students' decisions during an instructional process. Observation (mainly TV), the study concerns a school class in the institute laboratory and a sample of school classes in the Helsinki area at class teacher level. The taxonomy used was developed in the first phase of the project (1967-73). The study is by an accomodating follow-up study. This study is the second phase of the DPA-project.
TIME SCHEDULE	Starting date __/73 Probable completion date __/76
SOURCE OF FINANCE	A three-year contract has been made for the project with the Humanitities Research Council.
DESCRIPTORS	interaction / interaction / Interaktion communication / communication / Kommunikation curriculum / programme d'etudes / Bildungsplan observation / observation / Beobachtung theory of education / theorie de l'education / Bildungstheorie: didactics / didactique / Didaktik

4.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Englannin kielen opetuksen tavoitetutkimus Study of goals in foreign language instruction
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Leino, Anna-Liisa, Ph.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the objectives in the teaching of English at the comprehensive and secondary school level. A questionnaire has been sent to teachers of English in which the importance of the stated objectives has to be evaluated as a function of the gradelevel. In the objectives the dimensions of subject contents and pupil behaviour are specifie The purpose is to give the questionnaire also to pupils at a later stage. The project is supervised by Ass. prof. Erkki A. Niskanen.
TIME SCHEDULE	Starting date 1/73 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel language teaching / enseignement des langues / Sprachunterricht second language / premiere langue / erste Fremdsprach

TITLE OF THE RESEARCH	Study of goals in foreign language instruction
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Leino, Anna-Liisa, Ph.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the objectives in the teaching of English at the comprehensive and secondary school level. A questionnaire has been sent to teachers of English in which the importance of the stated objectives has to be evaluated as a function of the gradelevel. In the objectives the dimensions of subject contents and pupil behaviour are specifie The purpose is to give the questionnaire also to pupils at a later stage. The project is supervised by Ass. prof. Erkki A. Niskanen.
TIME SCHEDULE	Starting date 1/73 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel language teaching / enseignement des langues / Sprachunterricht second language / premiere langue / erste Fremdsprach

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Matematiikan opetuksen tavoitetutkimus Study of goals of the instruction in mathematics
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Leino, Jarkko, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to study the objectives of the instruction in mathematics at the comprehensive and secondary school level.
SAMPLE METHODS	A questionnaire has been sent to subject teachers in mathematics in which the importance of the stated objectives has to be evaluated as a function of the grade level. The objectives are specified in terms of the dimensions of subject contents and pupil behaviour. In the other measuring instrument the objectives in mathematics are presented at a general level in accordance with the established curricula.
	The study is part of ass.prof. Erkki A. Niskanen's study of objectives (1973). Also a licentiate thesis.
TIME SCHEDULE	Starting date I /73 Probable completion date _/_
SOURCE OF FINANCE	A grant from the Aaltonen Fund.
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel mathematics / mathematique / Mathematik

TITLE OF THE RESEARCH	Study of goals of the instruction in mathematics
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Leino, Jarkko, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the objectives of the instruction in mathematics at the comprehensive and secondary school level. A questionnaire has been sent to subject teachers in mathematics in which the importance of the stated objectives has to be evaluated as a function of the grade level. The objectives are specified in terms of the dimensions of subject contents and pupil behaviour. In the other measuring instrument the objectives in mathematics are presented at a general level in accordance with the established curricula. The study is part of ass.prof. Erkki A. Niskanen's study of objectives (1973). Also a licentiate thesis.
TIME SCHEDULE	Starting date I /73 Probable completion date __/__
SOURCE OF FINANCE	A grant from the Aaltonen Fund.
DESCRIPTORS	teaching objective / objectif pedagogigue / Lehrziel mathematics / mathematique / Mathematik

16.

COUNTRY: Finland

DATE: December 1973

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH: Oppilaiden verbaalinen ja nonverbaalinen käyttäytyminen ryhmätyötilanteissa

Pupils' verbal and nonverbal behaviour in group work

ORGANISATION/INSTITUTE: Helsingin yliopisto. Kasvatustieteen laitos

Institute of Education, University of Helsinki

RESEARCHERS: Martikainen, Marja, M.A.

BIBLIOGRAPHIC REFERENCE:

BACKGROUND, AIMS: The purpose is
1) to ascertain whether the mapping of nonverbal behaviour can reveal such significant factors of group work behaviour as cannot be found out by the analysis of pupils' verbal communication
2) to study the changes in a pupil's behaviour in the light of certain background variables.

SAMPLE

METHODS: The study concerns 16 groups of pupils in the fourth grade of the primary school. The material is studied by means of a developed taxonomy of nonverbal behaviour and Bale's IPA. The material is analyzed by multi-variate methods.

A licentiate thesis, connected with the DPA-Helsinki project, under the supervision of Matti Koskenniemi, prof. emer.

TIME SCHEDULE: Starting date __/72 Probable completion date __/74

SOURCE OF FINANCE:

DESCRIPTORS: group work / travail par equipe / Gruppenarbeit
verbal communication / communication verbale / verbal Kommunikation

ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Martikainen, Marja, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to ascertain whether the mapping of nonverbal behaviour can reveal such significant factors of group work behaviour as cannot be found out by the analysis of pupils' verbal communication 2) to study the changes in a pupil's behaviour in the light of certain background variables. The study concerns 16 groups of pupils in the fourth grade of the primary school. The material is studied by means of a developed taxonomy of nonverbal behaviour and Bale's IPA. The material is analyzed by multi-variate methods. A licentiate thesis, connected with the DPA-Helsinki project, under the supervision of Matti Koskenniemi, prof. emer.
TIME SCHEDULE	Starting date __/72 Probable completion date __/74
SOURCE OF FINANCE	
DESCRIPTORS	group work / travail par equipe / Gruppenarbeit verbal communication / communication verbale / verbal Kommunikation non-verbal communication / communication non-verbale nicht-verbale Kommunikation

COUNTRY DATE	Finland December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Opetustapahtuman kehitys luokattomassa lukiossa opetusjakson aikana Teaching process in the non-graded senior secondary school during a teaching period
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Shemeikka, Sirpa, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the development of the teaching process during a teaching period of six weeks. An attempt is thereby made to study whether the length of the period is suitable for periodical teaching. In addition the development of pupils' attitudes towards their own study group are studied during the teaching period as well as their connection with the teaching process. The subjects were 4 groups (77 pupils) who had started the nongraded senior secondary school in autumn 1972. 66 lessons of these groups were videotaped. The lessons are analyzed by means of Bales's Interaction Process Analysis classification system. Pupils' attitudes are measured with the semantic differential technique. A sub-study of the research project on nongraded senior secondary school. A licentiate thesis.
TIME SCHEDULE	Starting date XI / 72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	interaction / interaction / Interaktion teaching / enseignement / Unterricht secondary education / enseignement secondaire/

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Opetustapahtuman kehitys luokattomassa lukiossa opetusjakson aikana Teaching process in the non-graded senior secondary school during a teaching period
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Shemeikka, Sirpa, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the development of the teaching process during a teaching period of six weeks. An attempt is thereby made to study whether the length of the period is suitable for periodical teaching. In addition the development of pupils' attitudes towards their own study group are studied during the teaching period as well as their connection with the teaching process. The subjects were 4 groups (77 pupils) who had started the nongraded senior secondary school in autumn 1972. 66 lessons of these groups were videotaped. The lessons are analyzed by means of Bales's Interaction Process Analysis classification system. Pupils' attitudes are measured with the semantic differential technique. A sub-study of the research project on nongraded senior secondary school. A licentiate thesis.
TIME SCHEDULE	Starting date XI /72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	interaction / interaction / Interaktion teaching / enseignement / Unterricht secondary education / enseignement secondaire/ Sekundarbildung experimental school / ecole experimentale / Versuchsschule

18.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Eräiden yksilömuuttujien ja verbaalisen vuorovaikutuksen yhteys erilaisissa opetuksen muodoissa The relationship between some individual variables and verbal communication in different forms of teaching
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Skoglund, Risto, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS	The purpose is to study what the relationship between some individual variables and individual process variables is and how these relationshipsdiffer from each other in different forms of teaching.
SAMPLE	The research material is based on video-tape and tape recording made in the third and fourth form of the primary school.
METHODS	Verbal communication has been classified by means of Bales's and Bellack's methods. The subjects have been given tests which indicate intelligence personality and social status. Q-factor analysis is carried out on process and test variables. Comparison between forms of teaching is carried out a factor level and on the other hand at variable level using factor scores. DPA-Helsinki project.
TIME SCHEDULE	Starting date X/72 Probable completion date _/_
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion verbal communication / communication verbale / verbal Kommunikation theory of education / theorie de l'education /

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Eräiden yksilömuuttujien ja verbaalisen vuorovaikutuksen yhteys erilaisissa opetuksen muodoissa The relationship between some individual variables and verbal communication in different forms of teaching
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Skoglund, Risto, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study what the relationship between some individual variables and individual process variables is and how these relationshipsdiffer from each other in different forms of teaching. The research material is based on video-tape and tape recordings made in the third and fourth form of the primary school. Verbal communication has been classified by means of Bales's and Bellack's methods. The subjects have been given tests which indicate intelligence personality and social status. Q-factor analysis is carried out on process and test variables. Comparison between forms of teaching is carried out a factor level and on the other hand at variable level using factor scores. DPA-Helsinki project.
TIME SCHEDULE	Starting date X/72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	interaction / interaction / Interaktion verbal communication / communication verbale / verbale Kommunikation theory of education / theorie de l'education / Bildungstheorie: didactics / didactique / Didaktik

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun ravintotiedon eheyttämistä selvittävä tutkimus, vaihe II A study on the integration of nutrition education in the comprehensive school. Phase II.
ORGANISATION/INSTITUTE	Helsingin yliopisto. Ravitsemustieteen laitos Department of Nutrition, University of Helsinki
RESEARCHERS	Ahlström, Antti, Ph.D. Väätäinen, Reetta, M.Sc. Latola, Rakel, M.Sc.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is in this phase to study the present situation in nutrition education in the comprehensive school from the teachers' and pupils' point of view. The aim of the whole study is to create an integrated and tested programme of nutrition education for the comprehensive school. The study concerns teachers of the lower level of the comprehensive school and teachers of home economy, civics, biology and chemistry of the senior level (n=331) and pupils in the sixth to eight grades of the comprehensive school (n=1589). The survey is carried out by means of mail survey. The study is the second phase of a three-phase of a three-phase project on the integration of nutrition education in the comprehensive school.
TIME SCHEDULE	Starting date I/73 Probable completion date XII/73
SOURCE OF FINANCE	The Research and Development Bureau of the National Board of Education finances the study.
DESCRIPTORS	nutrition/nutrition / Ernaehrung integrated curriculum / programme d'etudes integre / integrierter Bildungsplan

TITLE OF THE RESEARCH	A study on the integration of nutrition education in the comprehensive school. Phase II.
ORGANISATION/INSTITUTE	Helsingin yliopisto. Ravitsemustieteen laitos Department of Nutrition, University of Helsinki
RESEARCHERS	Ahlström, Antti, Ph.D. Väätäinen, Reetta, M.Sc. Latola, Rakel, M.Sc.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is in this phase to study the present situation in nutrition education in the comprehensive school from the teachers' and pupils' point of view. The aim of the whole study is to create an integrated and tested programme of nutrition education for the comprehensive school. The study concerns teachers of the lower level of the comprehensive school and teachers of home economy, civics, biology and chemistry of the senior level (n=331) and pupils in the sixth to eight grades of the comprehensive school (n=1589). The survey is carried out by means of mail survey. The study is the second phase of a three-phase of a three-phase project on the integration of nutrition education in the comprehensive school.
TIME SCHEDULE	Starting date I /73 Probable completion date XII/ 73
SOURCE OF FINANCE	The Research and Development Bureau of the National Board of Education finances the study.
DESCRIPTORS	nutrition/nutrition / Ernaehrung integrated curriculum / programme d'etudes integre / integrierter Bildungsplan

20.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Ihmisen koulutettavuus ja koulutuspolitiikka Educability of man and educational policy
ORGANISATION/INSTITUTE	Helsingin yliopisto. Sosiaalipolitiikan laitos Institute of Social Policy, University of Helsinki
RESEARCHERS	Häyrynen, Yrjö-Paavo, D.Pol.Sc. Hautamäki, Jarkko, M.A.
BIBLIOGRAPHIC REFERENCE	Häyrynen, Yrjö-Paavo & Hautamäki, Jarkko, Ihmisen koulutettavuus ja koulutuspolitiikka. Helsingin yliopisto. Sosiaalipolitiikan laitos. Report 3, 1973, 259p, ISBN 951-45-0144-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A research project on the qualitative factors and objectives of educational change. The purpose was to study to what extent people can be educated, who can be educated, and what are the possibilities by means of education, to produce the intelligence, motivation and skills that the administration and guidance of different social actions requires from all people. The main result: the development of man's educability always corresponds to the degree of scientific and technological development of the society.
TIME SCHEDULE	Starting date III/ 72 Date of completion IV/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	**educabitily / educabilite / Bildungsfähigkeit educational policy / politique de l'education / Bildungspolitik**

COMPLETED RESEARCH

TITLE OF THE RESEARCH	Educability of man and educational policy
ORGANISATION/INSTITUTE	Helsingin yliopisto. Sosiaalipolitiikan laitos Institute of Social Policy, University of Helsinki
RESEARCHERS	Häyrynen, Yrjö-Paavo, D.Pol.Sc. Hautamäki, Jarkko, M.A.
BIBLIOGRAPHIC REFERENCE	Häyrynen, Yrjö-Paavo & Hautamäki, Jarkko, Ihmisen koulutettavuus ja koulutuspolitiikka. Helsingin yliopisto. Sosiaalipolitiikan laitos. Report 3, 1973, 259p, ISBN 951-45-0144-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A research project on the qualitative factors and objectives of educational change. The purpose was to study to what extent people can be educated, who can be educated, and what are the possibilities by means of education, to produce the intelligence, motivation and skills that the administration and guidance of different social actions requires from all people. The main result: the development of man's educability always corresponds to the degree of scientific and technological development of the society.
TIME SCHEDULE	Starting date III/ 72 Date of completion IV/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	**educabitily / educabilite / Bildungsfähigkeit educational policy / politique de l'education / Bildungspolitik**

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulutuksen laadulliset muutostekijät Qualitative factors in educational change
ORGANISATION/INSTITUTE	Helsingin yliopisto. Sosiaalipolitiikan laitos Institute of Social Policy, University of Helsinki
RESEARCHERS	Häyrynen, Yrjö-Paavo, D.Pol.Sc. Sarola, Jukka Pekka, M.A.
BIBLIOGRAPHIC REFERENCE	Häyrynen, Yrjö-Paavo & Sarola, Jukka Pekka, Koulutuksen laadulliset muutostekijät. Helsingin yliopisto. Sosiaalipolitiikan laitos. Report 1, 1973, 93p. ISBN 951-45-0122-8
BACKGROUND, AIMS	A research project on the qualitative factors and objectives of educational change. The study provides a survey of the whole problem area of the research project and the aim is to develop new approaches to the analysis of qualitative changes in education. The purpose is to study the qualitative state and development trends in the educational system, and the objectives and strategies of changes.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date III/ 72 Date of completion I/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik

COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulutuksen laadulliset muutostekijät Qualitative factors in educational change
ORGANISATION/INSTITUTE	Helsingin yliopisto. Sosiaalipolitiikan laitos Institute of Social Policy, University of Helsinki
RESEARCHERS	Häyrynen, Yrjö-Paavo, D.Pol.Sc. Sarola, Jukka Pekka, M.A.
BIBLIOGRAPHIC REFERENCE	Häyrynen, Yrjö-Paavo & Sarola, Jukka Pekka, Koulutuksen laadulliset muutostekijät. Helsingin yliopisto. Sosiaalipolitiikan laitos. Report 1, 1973, 93p. ISBN 951-45-0122-8
BACKGROUND, AIMS	A research project on the qualitative factors and objectives of educational change. The study provides a survey of the whole problem area of the research project and the aim is to develop new approaches to the analysis of qualitative changes in education. The purpose is to study the qualitative state and development trends in the educational system, and the objectives and strategies of changes.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date III/ 72 Date of completion I/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik reform of education / reforme de l'enseignement / Bildungsreform

22.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Yleissivistävän koulutuksen tehtävien ja sisällön rakenteen kehittymisestä perus- ja keskiasteen koulutuksessa Suomessa The development of the objectives and contents of general education in primary and secondary education in Finland
ORGANISATION/INSTITUTE	Helsingin yliopisto. Sosiaalipolitiikan laitos Institute of Social Policy, University of Helsinki
RESEARCHERS	Kasvio, Antti, M.A.
BIBLIOGRAPHIC REFERENCE	Kasvio, Antti, Yleissivistävän koulutuksen tehtävien ja sisällön rakenteen kehittymisestä perus- ja keskiasteen koulutuksessa Suomessa. Helsingin yliopisto. Sosiaalipolitiikan laitos. Report 2, 1973, 131p, ISBN 951-45-0132-2
BACKGROUND, AIMS	A research project on the qualitative factors and objectives of educational change. The study provides a survey of the development of the contents structure of general education at primary and secondary school levels in our country, and the connections between this development and structural changes in the society. The analysis is mainly based on the development of the contents structure of general education seen in the curricula: changes in the proportional rations of different subjects and changes in the names of subjects.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date III/72 Date of completion I / 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik general education / enseignement general / Allge-

COMPLETED RESEARCH

TITLE OF THE RESEARCH	kehittymisestä perus- ja keskiasteen koulutuksessa Suomessa The development of the objectives and contents of general education in primary and secondary education in Finland
ORGANISATION/INSTITUTE	Helsingin yliopisto. Sosiaalipolitiikan laitos Institute of Social Policy, University of Helsinki
RESEARCHERS	Kasvio, Antti, M.A.
BIBLIOGRAPHIC REFERENCE	Kasvio, Antti, Yleissivistävän koulutuksen tehtävien ja sisällön rakenteen kehittymisestä perus- ja keskiasteen koulutuksessa Suomessa. Helsingin yliopisto. Sosiaalipolitiikan laitos. Report 2, 1973, 131p, ISBN 951-45-0132-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A research project on the qualitative factors and objectives of educational change. The study provides a survey of the development of the contents structure of general education at primary and secondary school levels in our country, and the connections between this development and structural changes in the society. The analysis is mainly based on the development of the contents structure of general education seen in the curricula: changes in the proportional rations of different subjects and changes in the names of subjects.
TIME SCHEDULE	Starting date III/ 72 Date of completion I / 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik general education / enseignement general / Allgemeinbildung primary education / enseignement primaire / Primarbildung; secondary education / enseignement secondai

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Tukiopetuksen vaikutukset oppilaiden koulusaavutuksiin ja -sopeutumiseen sekä opettajien käyttämät valintakriteerit The effects of remedial instruction on pupils' school achievements and school adaption, and teachers' selection criteria
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Kasvatustieteen laitos Institute of Education, University of Joensuu
RESEARCHERS	Tuunainen, Kari, Lic.Ed.
BIBLIOGRAPHIC REFERENCE	Tuunainen, Kari, Tukiopetuksen vaikutukset oppilaiden koulusaavutuksiin ja -sopeutumiseen sekä opettajien käyttämät valintakriteerit. Joensuun korkeakoulu. Kasvatustieteen laitos. Report 1. 1973, 77p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A licentiate thesis. The purpose was to study the effects of remedial instruction and teachers' selection criteria in determining which pupils need remedial instruction. The study was carried out on III-graders needing remedial instruction in the primary schools of Joensuu in autumn term 1970. Each teacher selected five pupils whom he considered to need remedial instruction from his class. The design used in the study was based on experimental and control groups. The experimentals were given remedial instruction by primary school teachers trainees of the University of Joensuu (N=30) for six weeks. The measuring instruments in the initial measurement were achievement scales, in the final measurement also tests measuring individual and group adaption were used. The analysis of results was investigation of group differences by variables (t-test); factor analysis was also used. Teachers' selection criteria proved global and very consistent with school marks. At group level the effect of remedial instruction could be seen in some subtests of achievement scales, but not at individual level. Group differences were studied also between pupils selected for remedial instruction and other pupils in the class. The personality scale had no discriminatory power either, but in other variables differences were statistically significant. The control variables used were socio-economical background and school achievement, which were highly significant selection dimensions. The study was of survey-type. The main result of the study can be considered to be the fact that it provides a better starting point for more limited continuation studies.
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	
DESCRIPTORS	remedial teaching / enseignement de rattrapage / Förderunterricht achievement gain / progres scolaire / Leistungsstei-

COMPLETED RESEARCH TITLE OF THE RESEARCH	Tukiopetuksen vaikutukset oppilaiden koulusaavutuksiin ja -sopeutumiseen sekä opettajien käyttämät valintakriteerit The effects of remedial instruction on pupils' school achievements and school adaption, and teachers' selection criteria
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Kasvatustieteen laitos Institute of Education, University of Joensuu
RESEARCHERS	Tuunainen, Kari, Lic.Ed.
BIBLIOGRAPHIC REFERENCE	Tuunainen, Kari, Tukiopetuksen vaikutukset oppilaiden koulusaavutuksiin ja -sopeutumiseen sekä opettajien käyttämät valintakriteerit. Joensuun korkeakoulu. Kasvatustieteen laitos. Report 1. 1973, 77p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A licentiate thesis. The purpose was to study the effects of remedial instruction and teachers' selection criteria in determining which pupils need remedial instruction. The study was carried out on III-graders needing remedial instruction in the primary schools of Joensuu in autumn term 1970. Each teacher selected five pupils whom he considered to need remedial instruction from his class. The design used in the study was based on experimental and control groups. The experimentals were given remedial instruction by primary school teachers trainees of the University of Joensuu (N=30) for six weeks. The measuring instruments in the initial measurement were achievement scales, in the final measurement also tests measuring individual and group adaption were used. The analysis of results was investigation of group differences by variables (t-test); factor analysis was also used. Teachers' selection criteria proved global and very consistent with school marks. At group level the effect of remedial instruction could be seen in some subtests of achievement scales, but not at individual level. Group differences were studied also between pupils selected for remedial instruction and other pupils in the class. The personality scale had no discriminatory power either, but in other variables differences were statistically significant. The control variables used were socio-economical background and school achievement, which were highly significant selection dimensions. The study was of survey-type. The main result of the study can be considered to be the fact that it provides a better starting point for more limited continuation studies.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	remedial teaching / enseignement de rattrapage / Förderunterricht achievement gain / progres scolaire / Leistungssteigerung adjustment / adaptation / Anpassung

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Polyteknisen koulutuksen käsite ja soveltamismahdollisuudet The concept of polytechnical education and its applicability
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Häyrynen, Liisa, B.A. Häyrynen, Yrjö-Paavo, D.Pol.Sc., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to clarify the concept of polytechnical education and to study its applicability in the reform of secondary education in Finland. A research project on the qualitative factors and objectives of educational changes.
TIME SCHEDULE	Starting date IX / 73 Probable completion date IV / 74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	polytechnical education / enseignement polytechnique polytechnische Bildung aims of education / finalite de l'education / Erziehungsziel

ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Häyrynen, Liisa, B.A. Häyrynen, Yrjö-Paavo, D.Pol.Sc., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to clarify the concept of polytechnical education and to study its applicability in the reform of secondary education in Finland. A research project on the qualitative factors and objectives of educational changes.
TIME SCHEDULE	Starting date IX / 73 Probable completion date IV / 74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	**polytechnical education / enseignement polytechnique polytechnische Bildung aims of education / finalite de l'education / Erziehungsziel**

56

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Ammatillistenkoulusisältöjen vaikutus ammatti- ja opintomotivaatioon The effect of the contents of vocational education on vocational and study motivation
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor Hautamäki, Jarkko, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study motivation problems in education: different motivation theories, their evaluation, the problem of vocational orientation and selection criteria, the survey of such forms of education which keep up motivation, the environmental background of motivation problems. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I /74 Probable completion date __/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	vocational education / enseignement professionnel / Berufsbildung achievement motivation / motivation d'accomplissemen Leistungsmotivation

TITLE OF THE RESEARCH	The effect of the contents of vocational education on vocational and study motivation
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor Hautamäki, Jarkko, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to study motivation problems in education: different motivation theories, their evaluation, the problem of vocational orientation and selection criteria, the survey of such forms of education which keep up motivation, the environmental background of motivation problems.
SAMPLE	A research project on the qualitative factors and objectives of educational change.
METHODS	
TIME SCHEDULE	Starting date I /74 Probable completion date _/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	vocational education / enseignement professionnel / Berufsbildung achievement motivation / motivation d'accomplissement Leistungsmotivation occupational aspiration / aspirations professionelles berufliches Streben

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Yleisen ammattikoulutuksen ja polyteknisen koulutuksen teoria The theory of general vocational education and polytechnical education
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor Häyrynen, Liisa, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The realization of generality and integration in the curricula of vocational education, the linking of vocational and general education, the application of basic vocational theory in the planning of units of vocational education, the didactic and educational psychological basis of polytechnical education. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I /74 Probable completion date __/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	vocational education / enseignement professionnel / Berufsbildung polytechnical education / enseignement polytechnique polytechnische Bildung theory of education / theorie de l'education /

TITLE OF THE RESEARCH	The theory of general vocational education and polytechnical education
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor Häyrynen, Liisa, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The realization of generality and integration in the curricula of vocational education, the linking of vocational and general education, the application of basic vocational theory in the planning of units of vocational education, the didactic and educational psychological basis of polytechnical education. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I/74 Probable completion date __/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	vocational education / enseignement professionnel / Berufsbildung polytechnical education / enseignement polytechnique polytechnische Bildung theory of education / theorie de l'education / Bildungstheorie

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Koulutuspolitiikan suhde yleiseen yhteiskuntapolitiikkaan The relationship between educational policy and general social policy
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Järvelä-Mellais, Marja, M.A. Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to predict the development of needs at the societal level; the problems of creative and consuming needs; the socio-political definition of non-education and inadequate education; the objectives of welfare, equality and democracy and their relationship with the subgoals of educational policy. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I /74 Probable completion date __/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik social policy / politique sociale / Sozialpolitik

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Koulutuspolitiikan suhde yleiseen yhteiskuntapolitiikkaan The relationship between educational policy and general social policy
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Järvelä-Mellais, Marja, M.A. Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to predict the development of needs at the societal level; the problems of creative and consuming needs; the socio-political definition of non-education and inadequate education; the objectives of welfare, equality and democracy and their relationship with the subgoals of educational policy. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I /74 Probable completion date /75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik social policy / politique sociale / Sozialpolitik educational opportunity / chances d'education / Bildungschance

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Koulutuspoliittinen suunnittelu ja sen strategiat The planning of educational policy and its strategies
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Järvelä-Mellais, Marja, M.A. Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to evaluate the premises of different planning procedures, among others the approaches derived from the economics of education, to analyze the factors which direct instruction in practice, and to develop new guicance and planning strategies in curriculum planning A research project on the qualitative factors and objectives of educational changes.
TIME SCHEDULE	Starting date I/74 Probable completion date __/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	**educational policy / politique de l'education / Bildungspolitik** **planning of education / planification de l'education Bildungsplanung** **reform of education / reforme de l'enseignement /**

ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Järvelä-Mellais, Marja, M.A. Häyrynen, Yrjö-Paavo, D. Pol.Sc., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to evaluate the premises of different planning procedures, among others the approaches derived from the economics of education, to analyze the factors which direct instruction in practice, and to develop new guicance and planning strategies in curriculum planning A research project on the qualitative factors and objectives of educational changes.
TIME SCHEDULE	Starting date I / 74 Probable completion date __/ 75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik planning of education / planification de l'education Bildungsplanung reform of education / reforme de l'enseignement / Bildungsreform

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Koulutusilmastojen muokkaava vaikutus The influence of school climates
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Koski, Anja, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to analyze the influence of school climates on pupils' political behaviour. A research project on the qualitative factors and objectives of educational changes.
SAMPLE	
METHODS	
TIME SCHEDULE	Starting date V / 73 Probable completion date I / 74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	**influence / influence / Einfluss school environment / milieu scolaire / Schulmilieu political behaviour / comportement politique / politisches Verhalten**

ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Koski, Anja, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to analyze the influence of school climates on pupils' political behaviour. A research project on the qualitative factors and objectives of educational changes.
SAMPLE	
METHODS	
TIME SCHEDULE	Starting date V / 73 Probable completion date I / 74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	influence / influence / Einfluss school environment / milieu scolaire / Schulmilieu political behaviour / comportement politique / politisches Verhalten

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Harvaanasutun alueen esikoulukokeilun seuranta A follow-up study of pre-school experimentation in sparsely populated areas
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Nuutinen, Pirjo, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to try to evaluate the suitability of pre-school arranged in the form of periodical, combined grade and correspondence instruction as the pre-school form of sparsely populated areas and to make a survey of organizational and curricular problems connected with the introduction of pre-school especially in developmental areas.
SAMPLE	Subjects are a) 50 pupils from periodical pre-school, b) pupils from pre-school with combined grades, c) 19 pupils attending pre-school through correspondence, d) children's guardians, e) one teacher of periodical instruction and five teachers of combined grades, f) drivers of school buses and other personnel of experimental schools.
METHODS	Data is collected by means of observations, interviews and inquiries. Method of analysis: comparison of observation matrices, distributions of frequencies, etc. A pre-school experiment in sparsely populated areas.
TIME SCHEDULE	Starting date X/73 Probable completion date __/74
SOURCE OF FINANCE	Grants from the National Board of Education and the National Board of Social Affairs
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung rural school / ecole rurale / Landschule experimental school / ecole experimentale / Versuchs-schule

ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Nuutinen, Pirjo, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to try to evaluate the suitability of pre-school arranged in the form of periodical, combined grade and correspondence instruction as the pre-school form of sparsely populated areas and to make a survey of organizational and curricular problems connected with the introduction of pre-school especially in developmental areas. Subjects are a) 50 pupils from periodical pre-school, b) pupils from pre-school with combined grades, c) 19 pupils attending pre-school through correspondence, d) children's guardians, e) one teacher of periodical instruction and five teachers of combined grades, f) drivers of school buses and other personnel of experimental schools. Data is collected by means of observations, interviews and inquiries. Method of analysis: comparison of observation matrices, distributions of frequencies, etc. A pre-school experiment in sparsely populated areas.
TIME SCHEDULE	Starting date X/73 Probable completion date __/74
SOURCE OF FINANCE	Grants from the National Board of Education and the National Board of Social Affairs
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung rural school / ecole rurale / Landschule experimental school / ecole experimentale / Versuchsschule

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Työn humanisointi ja kokonaistaminen koulutuksen avulla The humanizing and integration of work by means of education
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Sarola, Jukka Pekka, M.A. Häyrynen, Yrjö-Paavo, D. Pol.Sc.., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study possibilities of preventing the fragmentation of work by means of vocational education, to reduce factors of risk and strain by means of extensive education, to make work intellectually more demanding by increasing the problem-solving, scientific and social contents of vocational training. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I /74 Probable completion date _/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	vocational education / enseignement professionnel / Berufsbildung integrated curriculum / programme d'etudes integre integrierter Bildungsplan

TITLE OF THE RESEARCH	The humanizing and integration of work by means of education
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Sarola, Jukka Pekka, M.A. Häyrynen, Yrjö-Paavo, D. Pol.Sc.., professor
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study possibilities of preventing the fragmentation of work by means of vocational education, to reduce factors of risk and strain by means of extensive education, to make work intellectually more demanding by increasing the problem-solving, scientific and social contents of vocational training. A research project on the qualitative factors and objectives of educational change.
TIME SCHEDULE	Starting date I /74 Probable completion date __/75
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	vocational education / enseignement professionnel / Berufsbildung integrated curriculum / programme d'etudes integre / integrierter Bildungsplan human dignity / dignite humaine / Menschenwürde

32.

COUNTRY DATE	Finland December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Haja-asutusalueen alle kouluikäisten lasten virikeympäristö The stimulus environment of children under school-age in sparsely populated areas
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Svanfeldt-Winter, Anne-Marie, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The study is connected with the pre-school experimentation carried out in the municipality of Juuka during the school year 1973-74. The purpose is to try to find out special features of the environment of children in sparsely populated areas. Main attention is directed the socio-economic description of environment. Methods: Interviews, questionnaire, and secondary material. The researcher has interviewed families with children selected on the basis of certain criteria from sparsely populated areas. In addition municipal authorities and experts of regional policy were interviewed. A fairly extensive inquiry concerning environment has been carried out on parents of children taking part in pre-school experimentation. A pre-school experiment in sparsely populated areas.
TIME SCHEDULE	Starting date II/ 73 Probable completion date _/74
SOURCE OF FINANCE	The National Board of Social Affairs and the National Board of Education
* DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung cultural environment / milieu culturel / kulturelles Milieu rural environment / milieu rural / ländliches Milieu

TITLE OF THE RESEARCH	The stimulus environment of children under school-age in sparsely populated areas
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Svanfeldt-Winter, Anne-Marie, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The study is connected with the pre-school experimentation carried out in the municipality of Juuka during the school year 1973-74. The purpose is to try to find out special features of the environment of children in sparsely populated areas. Main attention is directed the socio-economic description of environment. Methods: Interviews, questionnaire, and secondary material. The researcher has interviewed families with children selected on the basis of certain criteria from sparsely populated areas. In addition municipal authorities and experts of regional policy were interviewed. A fairly extensive inquiry concerning environment has been carried out on parents of children taking part in pre-school experimentation. A pre-school experiment in sparsely populated areas.
TIME SCHEDULE	Starting date II/ 73 Probable completion date __/74
SOURCE OF FINANCE	The National Board of Social Affairs and the National Board of Education
DESCRIPTORS	**pre-school education / education pre-scolaire / Vorschulerziehung** **cultural environment / milieu culturel / kulturelles Milieu** **rural environment / milieu rural / ländliches Milieu**

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Koulutusideologioiden taloudellis-sosiaalisesta kehityksestä The socio-economic development of educational ideologies
ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Uuttu-Tuominen, Liisa, Research assistant
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to study the effects of the structures and economical foundation of the society and its developmental level on the formation of educational ideologies.
SAMPLE	Theoretical.
METHODS	A research project on the qualitative factors and objectives of educational changes.
TIME SCHEDULE	Starting date VII/ 73 Probable completion date XII/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungszil ideology / ideologie / Ideologie social structure / structure sociale / Sozialstruktur economic development / developpement economique /

ORGANISATION/INSTITUTE	Joensuun korkeakoulu. Karjalan tutkimuslaitos Karelian Institute, University of Joensuu
RESEARCHERS	Uuttu-Tuominen, Liisa, Research assistant
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to study the effects of the structures and economical foundation of the society and its developmental level on the formation of educational ideologies.
SAMPLE	Theoretical.
METHODS	A research project on the qualitative factors and objectives of educational changes.
TIME SCHEDULE	Starting date VII/I 73 Probable completion date XII/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungszil ideology / ideologie / Ideologie social structure / structure sociale / Sozialstruktur economic development / developpement economique / Wirtschaftsentwicklung

34.

PROJECT TITLE:	A study on the use of intoxicants and stimulants of young people and the development trends in the use in Pieksämäki in 1969-1973
CARRIED OUT AT:	Institute of Special Education, University of Jyväskylä (see SF 20/1973)
RESEARCHERS	Kainulainen, Pentti, Ph.D.
DESCRIPTORS	drug addiction / toxicomanie / Drogensucht

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Aikaisempi harrastusaktiivisuus sekä sosiometrisesti mitattu suosio toveripiirissä syrjäseutunuorison muuton ja avioitumisen ennustajina. Kuuden pohjois-savolaisen kyläkunnan nuorison paikkakaunnalta muuttoa ja avioitumista selvittelevä seurantatutkim Previous free-time activity and socio-metrically measured popularity among friends as predictors of the mobility and marrying of youth in remote parts of the country
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Erityispedagogiikan laitos Institute of Special Education, University of Jyväskylä
RESEARCHERS	Kainulainen, Pentti, Ph.D.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is mainly to compare the characteristics and social background of the youth who leave the remote countryside and the youth who stay there. Special attention is paid to previously measured free-time activity and popularity among the village youth. Marriage has been included both as a dependent variable and a variable explaining the moving out. Subjects: The youth, born in 1943-1950, in 6 villages in northern Savo in 1966. N = 167. Research method: A questionnaire prepared in advance was used in individual interview of subjects in summer 1966. The questions concerned mainly free-time activity. In addition information on social background and selection of friends by villages is available. In spring 1973 the information about those moving away from the village and those getting married were acquired. 90 persons had moved away and 54 had got married (before moving). Analysis of results: The relationship between marriage and moving away, and social background, previous free-time activity socio-metric popularity etc. is studied by means of cross-tabulation. A separate study. The material collected in summer 1966 has been used for a M.A thesis in social policy at the University of Tampere.
TIME SCHEDULE	Starting date VI/66 Probable completion date __/74
SOURCE OF FINANCE	No grants.
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie change of residence / changement de residence / Wohnortwechsel marriage / mariage / Ehe

TITLE OF THE RESEARCH	Ennustajina: Kuuden pohjois-savolaisen kyläkunnan nuorison paik kakaunnalta muuttoa ja avioitumista selvittelevä seurantatutkim Previous free-time activity and socio-metrically measured popularity among friends as predictors of the mobility and marrying of youth in remote parts of the country
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Erityispedagogiikan laitos Institute of Special Education, University of Jyväskylä
RESEARCHERS	Kainulainen, Pentti, Ph.D.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is mainly to compare the characteristics and social background of the youth who leave the remote countryside and the youth who stay there. Special attention is paid to previously measured free-time activity and popularity among the village youth. Marriage has been included both as a dependent variable and a variable explaining the moving out. Subjects: The youth, born in 1943-1950, in 6 villages in northern Savo in 1966. N = 167. Research method: A questionnaire prepared in advance was used in individual interview of subjects in summer 1966. The questions concerned mainly free-time activity. In addition information on social background and selection of friends by villages is available. In spring 1973 the information about those moving away from the village and those getting married were acquired. 90 persons had moved away and 54 had got married (before moving). Analysis of results: The relationship between marriage and moving away, and social background, previous free-time activity socio-metric popularity etc. is studied by means of cross-tabulation. A separate study. The material collected in summer 1966 has been used for a M.A thesis in social policy at the University of Tampere.
TIME SCHEDULE	Starting date VI/66 Probable completion date __/74
SOURCE OF FINANCE	No grants.
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie change of residence / changement de residence / Wohnortwechsel marriage / mariage / Ehe

36.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Numeerisen arviointiasteikon sekä valinta- ja kohdeluvultaan määrätyn arviointiasteikon tuottamien tulosten vertailu. -Menetelmällinen oppiaineiden tärkeys-, vaikeus-,mieluisuustutkimus Comparison of results obtained by means of a numerical rating scale and a rating scale involving the selection of a certain number of items on given criteria. A methodical study of the importance, difficulty and attractiveness of school subjects
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Kasvatustieteen laitos Institute of Education, University of Jyväskylä
RESEARCHERS	Heinonen, Veikko, Ed.D. Kari, Jouko, Ed.D.
BIBLIOGRAPHIC REFERENCE	Heinonen, Veikko & Kari, Jouko, Numeerisen arviointiasteikon sekä valinta- ja kohdeluvultaan määrätyn arviointiasteikon tuottamien tulosten vertailu. Jyväskylän yliopisto. Kasvatustieteen laitos, Report 40, 1973, 72p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study the correlations between results obtained by means of two different methods of evaluation: a numerical scale (1-5) and a rating scale involving the selection of a certain number of items on given criteria (0-1 dealing with the importance, difficulty and attractiveness of primary school subjects (N=126). The correlations were mainly studied by comparing means, standard deviations, intercorrelations and factor structures. The main results indicated that: 1) As regards means, especially the importance of subjects and the order of difficulty were almost the same with both methods, whereas standard deviations proved sensitive to the influence of differences produced by the primary method. 2) Considerable differences were found in intercorrelations and factor structures when different methods were applied. In the so-called common analysis factors were extracted which obviously were due to the method. The obtained results give reason to study more critically the choice of rating methods and item types, and the comparability of results obtained.
TIME SCHEDULE	Starting date __/_70 Date of completion VIII/ 73
SOURCE OF FINANCE	
DESCRIPTORS	research method / methode de recherche / Forschungsmethode statistical method / methode statistique / statisti-

	Comparison of results obtained by means of a numerical rating scale and a rating scale involving the selection of a certain number of items on given criteria. A methodical study of the importance, difficulty and attractiveness of school subjects
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Kasvatustieteen laitos Institute of Education, University of Jyväskylä
RESEARCHERS	Heinonen, Veikko, Ed.D. Kari, Jouko, Ed.D.
BIBLIOGRAPHIC REFERENCE	Heinonen, Veikko & Kari, Jouko, Numeerisen arviointiasteikon sekä valinta- ja kohdeluvultaan määrätyn arviointiasteikon tuottamien tulosten vertailu. Jyväskylän yliopisto. Kasvatustieteen laitos, Report 40, 1973, 72p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study the correlations between results obtained by means of two different methods of evaluation: a numerical scale (1-5) and a rating scale involving the selection of a certain number of items on given criteria (0-1 dealing with the importance, difficulty and attractiveness of primary school subjects (N=126). The correlations were mainly studied by comparing means, standard deviations, intercorrelations and factor structures. The main results indicated that: 1) As regards means, especially the importance of subjects and the order of difficulty were almost the same with both methods, whereas standard deviations proved sensitive to the influence of differences produced by the primary method. 2) Considerable differences were found in intercorrelations and factor structures when different methods were applied. In the so-called common analysis factors were extracted which obviously were due to the method. The obtained results give reason to study more critically the choice of rating methods and item types, and the comparability of results obtained.
TIME SCHEDULE	Starting date __/_70 Date of completion VIII/73
SOURCE OF FINANCE	
DESCRIPTORS	research method / methode de recherche / Forschungsmethode statistical method / methode statistique / statistische Methode.

COUNTRY DATE	Finland December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Oppikoulun V-luokkalaisten oppiaineitten arvioinnit Subject ratings by the fifth-graders of the secondary school
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Kasvatustieteen laitos Institute of Education, University of Jyväskylä
RESEARCHERS	Heinonen, Veikko, Ed.D. Kari, Jouko, Ed.D.
BIBLIOGRAPHIC REFERENCE	Heinonen, Veikko & Kari, Jouko, Oppikoulun V-luokkalaisten oppiaineitten arvioinnit. Jyväskylän yliopisto. Kasvatustieteen laitos. Report 38 A. 1973. 107p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A separate study The purpose was in the first place to study the factor structures of the ratings. Subjects (N = 483) evaluated the importance (to the pupil and the society), the difficulty and the pleasantness of subjects in the secondary school. The results were studied mainly by means of correlation and factor analyses. Factor analysis were carried out by rating category. The main results showed that the differentiation of factor structures was clearest in ratings concerning pleasantness and difficulty. These rating categories also included more subject-group oriented factors than either of the importance rating categories. The relationships between different rating categories (at group level) indicated that pleasantness-ratings were clearest differentiated from other rating classes; whereas importance rating categories were very strongly related to each other. The results may find some application in didactics. Especially the factor structures of "non-academic subjects" were interesting and they seem to require further studies. Finnally, the methodical fact should be emphasized that different rating techniques may determine to some extent what kind of results are achieved. This point would also require more detailed study.
TIME SCHEDULE	Starting date I/70 Date of completion I/73
SOURCE OF FINANCE	Finnanced partly by a grant from the Humanities Research Council
DESCRIPTORS	attitude / attitude / Einstellung curriculum subject / matière d'enseignement / Lehrfac

COMPLETED RESEARCH TITLE OF THE RESEARCH	Oppikoulun V-luokkalaisten oppiaineitten **arvioinnit** Subject ratings by the fifth-graders of the secondary school
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Kasvatustieteen laitos Institute of Education, University of Jyväskylä
RESEARCHERS	Heinonen, Veikko, Ed.D. Kari, Jouko, Ed.D.
BIBLIOGRAPHIC REFERENCE	Heinonen, Veikko & Kari, Jouko, Oppikoulun V-luokkalaisten oppiaineitten arvioinnit. Jyväskylän yliopisto. Kasvatustieteen laitos. Report 38 A. 1973. 107p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A separate study The purpose was in the first place to study the factor structures of the ratings. Subjects (N = 483) evaluated the importance (to the pupil and the society), the difficulty and the pleasantness of subjects in the secondary school. The results were studied mainly by means of correlation and factor analyses. Factor analysis were carried out by rating category. The main results showed that the differentiation of factor structures was clearest in ratings concerning pleasantness and difficulty. These rating categories also included more subject-group oriented factors than either of the importance rating categories. The relationships between different rating categories (at group level) indicated that pleasantness-ratings were clearest differentiated from other rating classes; whereas importance rating categories were very strongly related to each other. The results may find some application in didactics. Especially the factor structures of "non-academic subjects" were interesting and they seem to require further studies. Finnally, the methodical fact should be emphasized that different rating techniques may determine to some extent what kind of results are achieved. This point would also require more detailed study.
TIME SCHEDULE	Starting date I/70 Date of completion I/73
SOURCE OF FINANCE	Finnanced partly by a grant from the Humanities Research Council
DESCRIPTORS	attitude / attitude / Einstellung curriculum subject / matiere d'enseignement / Lehrfach factor analysis / analyse factorielle / Faktoren-

38.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulutuspolitiikan tavoitteet The objectives of educational policy
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Kasvatustieteen laitos Institute of Education, University of Jyväskylä
RESEARCHERS	Sauvala, Atso, (ed.), Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Sauvala, Atso (ed.), Koulutuspolitiikan tavoitteet. Jyväskylän yliopisto. Kasvatustieteen laitos. Report 41, 1973. ISBN 951-677-248-X
BACKGROUND, AIMS SAMPLE METHODS	The reports contains the papers read in the seminar on the objectives of educational policy arranged by the Department of Education of Jyväskylä university in autumn 1973. The objectives of the educational policy of the parties in the parliament labour organizations and student organization were discussed in the seminar. In addition the edited summary includes the objectives of educational policy at different educational levels and the timetable for their realization as presented by OK (Samuli Apajalahti), SYL (Yrjö Engeström) and STL (Erno Lehtinen) who were absent from the seminar.
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik aims of education / finalite de l'education / Er-

TITLE OF THE RESEARCH	The objectives of educational policy
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Kasvatustieteen laitos Institute of Education, University of Jyväskylä
RESEARCHERS	Sauvala, Atso, (ed.), Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Sauvala, Atso (ed.), Koulutuspolitiikan tavoitteet. Jyväskylän yliopisto. Kasvatustieteen laitos. Report 41, 1973. ISBN 951-677-248-X
BACKGROUND, AIMS	The reports contains the papers read in the seminar on the objectives of educational policy arranged by the Department of Education of Jyväskylä university in autumn 1973. The objectives of the educational policy of the parties in the parliament labour organizations and student organization were discussed in the seminar. In addition the edited summary includes the objectives of educational policy at different educational levels and the timetable for their realization as presented by OK (Samuli Apajalahti), SYL (Yrjö Engeström) and STL (Erno Lehtinen) who were absent from the seminar.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	educational policy / politique de l'education / Bildungspolitik aims of education / finalite de l'education / Erziehungsziel

COUNTRY	Finland
PROJECT TITLE:	The flexibility of organizational differentiation on the senior level of the comprehensive school
CARRIED OUT AT:	Institute for Educational Research (see SF 45/1973)
RESEARCHERS	Kangasniemi, Erkki, Ed.Lic.
DESCRIPTORS	option / matiere a option / Wahlfach teaching programme / programme d'enseignement / Unterrichtsprogramm individualization / individualisation / Individualisierung
PROJECT TITLE:	Guidance for teaching practices and evaluation of the teaching skills in teacher education
CARRIED OUT AT:	Institute for Educational Research (see SF 112/1973)
RESEARCHERS	Karvonen, Juhani, Prof. Lahdes, Erkki, Prof.
DESCRIPTORS	teacher behaviour / comportement de l'enseignant / Lehrerverhalten teacher education / formation des enseignants / Lehrerbildung student teacher / eleve maitre / Lehrerstudent

PROJECT TITLE:	Graduate training at institutes of higher education
CARRIED OUT AT:	Institute for Educational Research (see SF 68/1973)
RESEARCHERS	Marin, Marjatta, Ass.prof.
DESCRIPTORS	administration of education / administration de l'enseignement / Bildungsverwaltung researcher / chercheur / Forscher graduate / etudiant diplome / Graduierter university / universite / Hochschule
PROJECT TITLE:	The formation of social studies teaching objectives and the effect of teaching on pupils' view of the world and on their conceptions of society
CARRIED OUT AT:	Institute for Educational Research (see SF 62/1973)
RESEARCHERS	Nummenmaa, Tapio, Prof. Karvonen, Juhani, Prof. Rantalaiho, Liisa, D.Soc.Sc. Takala, Annika, Prof. Rantonen, Seppo, Research assistant
DESCRIPTORS	social studies / etudes sociales / Sozialkunde teaching aids / moyens d'enseignement / Lehrmittel aims of education / finalite de l'education / Erziehungsziel

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Matematiikkalinikkakokeilu Suomessa lukuvuonna 1972-73 The mathematics clinics in Finland. A experimental study during the school year 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Apiola, Hannele, M.A. Hytönen, Matti, M.A. Ollikainen, Annamarja, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to make a survey of learning difficulties in mathematics (during the first six school years) and the further training of mathematics teachers.
SAMPLE METHODS	The experimenters were 42 teachers (from 26 communes and 9 counties). They reported by means of 6 forms about 267 pupils in autumn 1972 and about 174 pupils in spring 1973 (mainly 1-6-graders of the primary school), and about the learning difficulties these pupils had in mathematics. The experimental conditions were also mapped: the form of experiment, the amount of hours used for the experiment, the amount of concrete material etc.
	Studies of the working group on mathematics instruction
TIME SCHEDULE	Starting date IX/ 72 Probable completion date III/ 74
SOURCE OF FINANCE	A grant from the Ministry of Education
DESCRIPTORS	learning difficulty / trouble de l'apprentissage / Lernschwierigkeit mathematics / mathematiques / Mathematik remedial teaching / enseignement de rattrapage /

TITLE OF THE RESEARCH	The mathematics clinics in Finland: A experimental study during the school year 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Apiola, Hannele, M.A. Hytönen, Matti, M.A. Ollikainen, Annamarja, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä.
BACKGROUND, AIMS	The purpose is to make a survey of learning difficulties in mathematics (during the first six school years) and the further training of mathematics teachers.
SAMPLE METHODS	The experimenters were 42 teachers (from 26 communes and 9 counties). They reported by means of 6 forms about 267 pupils in autumn 1972 and about 174 pupils in spring 1973 (mainly 1-6-graders of the primary school), and about the learning difficulties these pupils had in mathematics. The experimental conditions were also mapped: the form of experiment, the amount of hours used for the experiment, the amount of concrete material etc. Studies of the working group on mathematics instruction
TIME SCHEDULE	Starting date IX/ 72 Probable completion date III/ 74
SOURCE OF FINANCE	A grant from the Ministry of Education
DESCRIPTORS	learning difficulty / trouble de l'apprentissage / Lernschwierigkeit mathematics / mathematiques / Mathematik remedial teaching / enseignement de rattrapage / Förderunterricht

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kieltenopetuksen uudelleenjärjestäminen Lappeenrannan teknillisessä korkeakoulussa The reorganization of foreign language teaching at the Lappeenranta university of technology
ORGANISATION/INSTITUTE	Lappeenrannan teknillinen korkeakoulu Lappeenranta university of technology
RESEARCHERS	Berggren, Ola, M.A.
BIBLIOGRAPHIC REFERENCE	Berggren, Ola, Kieltenopetuksen uudelleenjärjestäminen Lappeenrannan teknillisessä korkeakoulussa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 187. 1973. 20p. ISBN 951-677-131-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report deals with the FL teaching at the Lappeenranta University of Technology. It presents the goals of FL teaching, its special features, and the new teaching programme, which is designed to serve the central aim of teaching: a good functional knowledge of a second language. Many details have not been taken up. The full-scale implementation of the new FL teaching programme requires several months of planning the system of compulsory and optional courses, the acquisition and/or preparation of teaching material, and the setting up of an effective evaluation system. These matters can, however, be planned first after the outlines of the teaching programme have been duly approved and confirmed.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	second language / premiere langue / erste Fremdsprac higher education / enseignement superieur / Hochschulbildung curriculum / programme d'etudes / Bildungsplan

TITLE OF THE RESEARCH	The reorganization of foreign language teaching at the Lappeenranta university of technology
ORGANISATION/INSTITUTE	Lappeenrannan teknillinen korkeakoulu Lappeenranta university of technology
RESEARCHERS	Berggren, Ola, M.A.
BIBLIOGRAPHIC REFERENCE	Berggren, Ola, Kieltenopetuksen uudelleenjärjestäminen Lappeenrannan teknillisessä korkeakoulussa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 187. 1973. 20p. ISBN 951-677-131-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report deals with the FL teaching at the Lappeenranta University of Technology. It presents the goals of FL teaching, its special features, and the new teaching programme, which is designed to serve the central aim of teaching: a good functional knowledge of a second language. Many details have not been taken up. The full-scale implementation of the new FL teaching programme requires several months of planning the system of compulsory and optional courses, the acquisition and/or preparation of teaching material, and the setting up of an effective evaluation system. These matters can, however, be planned first after the outlines of the teaching programme have been duly approved and confirmed.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	second language / premiere langue / erste Fremdsprac higher education / enseignement superieur / Hochschulbildung curriculum / programme d'etudes / Bildungsplan

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Varhaisen lukutaidon psykologisista edellytyksistä Early reading and psycholinguistic abilities
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Blåfield, Iea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study psycholinguistic and some other cognitive abilities which are connected with early reading of pre-school children.
SAMPLE	Subjects are appr. 60 6-7-year-old children, 50 % from pre-school and 50 % from kindergarten.
METHODS	Measuring instruments are ITPA's sub-tests, parts of the KTK achievement test battery, Ruoppila's picture vocabulary test and reading scale. Material has been collected in a study connected with the pre-school experimentation. Results are analyzed by means of mean and correlative methods. A thesis for M.Ed. a part of ITPA-project (under the supervision of doc. Jorma Kuusinen and Ed.D. Jouko Kari.)
TIME SCHEDULE	Starting date IV/72 Probable completion date _/74
SOURCE OF FINANCE	No separate financing
DESCRIPTORS	early reading / lecture precoce / Frühlesen psycholinguistics / psycholinguistique / Psycholinguistik cognitive development / developpement cognitif /

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study psycholinguistic and some other cognitive abilities which are connected with early reading of pre-school children.
SAMPLE	Subjects are appr. 60 6-7-year-old children, 50 % from pre-school and 50 % from kindergarten.
METHODS	Measuring instruments are ITPA's sub-tests, parts of the KTK achievement test battery, Ruoppila's picture vocabulary test and reading scale. Material has been collected in a study connected with the pre-school experimentation. Results are analyzed by means of mean and correlative methods. A thesis for M.Ed. a part of ITPA-project (under the supervision of doc. Jorma Kuusinen and Ed.D. Jouko Kari.)
TIME SCHEDULE	Starting date IV/72 Probable completion date __/74
SOURCE OF FINANCE	No separate financing
DESCRIPTORS	early reading / lecture precoce / Frühlesen psycholinguistics / psycholinguistique / Psycholinguistik cognitive development / developpement cognitif / kognitive Entwicklung

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Tutkinnonuudistuskokeilun valmistelu Jyväskylän yliopiston kasvatus- ja yhteiskuntatieteellisessä tiedekunnassa. Katsaus ensimmäisen vaiheen dokumenttiaineistoon The development of the experimental training programs in the Faculty of Educational and Social Sciences at Jyväskylä University. A review of the first phase
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Eronen, Yrjö, M.Ed. Konttinen, Raimo, Ed.D. Nuutinen, Anita, M.Ed. Panhelainen, Mauri, M.Ed.
BIBLIOGRAPHIC REFERENCE	Eronen, Yrjö & Konttinen, Raimo & Nuutinen, Anita & Panhelainen, Mauri, Tutkinnonuudistuskokeilun valmistelu Jyväskylän yliopiston kasvatus- ja yhteiskuntatieteellisessä tiedekunnassa Katsaus ensimmäisen vaiheen dokumenttiaineistoon. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 190. 1973. 58p. ISBN 951-677-137-8
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report mainly describes by documents the development of examinations initiated by the Faculty of Educational and Social Sciences at the University of Jyväskylä. This project of developing examinations is the first and at the moment the only one which concerns a whole faculty. Firstly the report outlines how the work in higher education has developed in this recent direction and how the ecperimental work and research is related to the development of examinations. Secondly based on documents the report describes the early experiences in the developmental work in higher education that have oriented the project, the preparations for it and the decision making. After that the general plans and the timetable for the work of developing the training programs, the organisation of planning and the working methods during the planning are presented.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	higher education / enseignement superieur / Hochschulbildung experimentation / experimentation / Schulversuch examination system / regime des examens / Prüfungs-

TITLE OF THE RESEARCH	The development of the experimental training programs in the Faculty of Educational and Social Sciences at Jyväskylä University. A review of the first phase
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Eronen, Yrjö, M.Ed. Konttinen, Raimo, Ed.D. Nuutinen, Anita, M.Ed. Panhelainen, Mauri, M.Ed.
BIBLIOGRAPHIC REFERENCE	Eronen, Yrjö & Konttinen, Raimo & Nuutinen, Anita & Panhelainen, Mauri, Tutkinnonuudistuskokeilun valmistelu Jyväskylän yliopiston kasvatus- ja yhteiskuntatieteellisessä tiedekunnassa Katsaus ensimmäisen vaiheen dokumenttiaineistoon. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 190. 1973. 58p. ISBN 951-677-137-8
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report mainly describes by documents the development of examinations initiated by the Faculty of Educational and Social Sciences at the University of Jyväskylä. This project of developing examinations is the first and at the moment the only one which concerns a whole faculty. Firstly the report outlines how the work in higher education has developed in this recent direction and how the ecperimental work and research is related to the development of examinations. Secondly based on documents the report describes the early experiences in the developmental work in higher education that have oriented the project, the preparations for it and the decision making. After that the general plans and the timetable for the work of developing the training programs, the organisation of planning and the working methods during the planning are presented.
TIME SCHEDULE	Starting date __/__ Date of completion __/__73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	higher education / enseignement superieur / Hochschulbildung experimentation / experimentation / Schulversuch examination system / regime des examens / Prüfungssystem

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset ruotsin kielen kokeet (oppilaalle 1. vieras kieli) lukuvuonna 1972-73 Achievement tests in Swedish as the first foreign language in comprehensive schools in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hakala, Pentti, M.A. Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose of the study is to examine the results of achievement tests in Swedish arranged in comprehensive schools in 1972-73 and to develop new forms of tests on the basis of the results.
SAMPLE	605 pupils in the sixth grade and 644 pupils in the ninth grade of the comprehensive schools carrying out comprehensive school experimentation took part in the tests.
METHODS	The tests included only multiple-choice items. The results are examined by means of frequencies, means and correlations. A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test/test de rendement / Leistungstest second language / premiere langue / erste Femdsprache evaluation / evaluation / Evaluation

RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset ruotsin kielen kokeet (oppilaalle 1. vieras kieli) lukuvuonna 1972-73 Achievement tests in Swedish as the first foreign language in comprehensive schools in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hakala, Pentti, M.A. Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to examine the results of achievement tests in Swedish arranged in comprehensive schools in 1972-73 and to develop new forms of tests on the basis of the results. 605 pupils in the sixth grade and 644 pupils in the ninth grade of the comprehensive schools carrying out comprehensive school experimentation took part in the tests. The tests included only multiple-choice items. The results are examined by means of frequencies, means and correlations. A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date IX / 72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test/test de rendement / Leistungstest second language / premiere langue / erste Femdsprache evaluation / evaluation / Evaluation curriculum / programme d'etudes / Bildungsplan

46.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Tavoitteiden, opetuksen suunnittelun ja arvioinnin välisistä yhteyksistä On the relations between goals, planning of teaching, and evaluation
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hakkarainen, Pentti, Ed. Lic.
BIBLIOGRAPHIC REFERENCE	Hakkarainen, Pentti, Tavoitteiden, opetuksen suunnittelun ja arvioinnin välisistä yhteyksistä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 178. 1973. 60p. ISBN 951-677-095-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report deals with the usefulness of different goals in the planning of teaching and evaluation. The question is discussed theoretically and suggestions of how the goals can be attained by teaching are sougth in the report of the comprehensive school committee. The relations between goals and teaching are surveyed generally and briefly also the ways be means of which the goals can be attained (learning contents, teaching materials and methods, specification of goals and didactic principles). The suggestions for teaching expressed in the general part of the comprehensive school curriculum are scarce. Proposals for improvement: 1. Specification of goals and derivation of suggestions for teaching from the goals, 2. Transformation of the vague "integrative principles" into more specific goals, 3. Definition of relative weights and timing and, 4. Improvement of the curriculum for the needs of the users.
TIME SCHEDULE	Starting date __/__ Date of completion __/ 73
SOURCE OF FINANCE	
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel lesson preparation / preparation des cours / Unterrichtsvorbereitung evaluation / evaluation / Evaluation

	evaluation
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hakkarainen, Pentti, Ed. Lic.
BIBLIOGRAPHIC REFERENCE	Hakkarainen, Pentti, Tavoitteiden, opetuksen suunnittelun ja arvioinnin välisistä yhteyksistä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 178. 1973. 60p. ISBN 951-677-095-9
BACKGROUND, AIMS	The report deals with the usefulness of different goals in the planning of teaching and evaluation. The question is discussed theoretically and suggestions of how the goals can be attained by teaching are sougth in the report of the comprehensive school committee. The relations between goals and teaching are surveyed generally and briefly also the ways be means of which the goals can be attained (learning contents, teaching materials and methods, specification of goals and didactic principles). The suggestions for teaching expressed in the general part of the comprehensive school curriculum are scarce. Proposals for improvement: 1. Specification of goals and derivation of suggestions for teaching from the goals, 2. Transformation of the vague "integrative principles" into more specific goals, 3. Definition of relative weights and timing and, 4. Improvement of the curriculum for the needs of the users.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion __/ 73
SOURCE OF FINANCE	
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrzie lesson preparation / preparation des cours / Unterrichtsvorbereitung evaluation / evaluation / Evaluation

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset ruotsin kielen kokeet (oppilaalle 2. vieras kieli) lukuvuonna 1972-73 Achievement tests in Swedish as the second foreign language in comprehensive schools in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hakala, Pentti, M.A. Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose of the study is to examine the results of achievement tests in Swedish arranged in comprehensive schools in 1972-73 and to develop new forms of tests on the basis of the results.
SAMPLE	511 pupils (short and extensive courses) in the ninth grade of the comprehensive schools carrying out comprehensive school experimentation took part in the tests.
METHODS	The tests included only multiple-choice items. The results are examined by means of frequencies, means and correlations. A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation second language / premiere langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan

	language in comprehensive schools in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hakala, Pentti, M.A. Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose of the study is to examine the results of achievement tests in Swedish arranged in comprehensive schools in 1972-73 and to develop new forms of tests on the basis of the results.
SAMPLE METHODS	511 pupils (short and extensive courses) in the ninth grade of the comprehensive schools carrying out comprehensive school experimentation took part in the tests. The tests included only multiple-choice items. The results are examined by means of frequencies, means and correlations. A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date IX/72 Probable completion date _/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstes evaluation / evaluation / Evaluation second language / premiere langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan

48.

99

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset kokeet englannin kielessä (englanti oppilaalle 1. vieras kieli) Achievement tests in English as a first foreign language in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to develop tests in English, to give support to set selections, to examine the results of the tests in the light of the objectives and to make evaluation more homogenous. 656 pupils in the sixth grade of the comprehensive school and 528 pupils in the ninth grade of the comprehensive school (the general, the medium and the extensive courses) took part in the tests. The tests consisted of multiple-choice items and they measured the following areas: Grammatical structures, reading comprehension, listening comprehension, vocabulary. A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS 99A	achievement test / test de rendement / Leistungstest evaluation / evaluation /Evaluation second language / premiere langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The purpose of the study is to develop tests in English, to give support to set selections, to examine the results of the tests in the light of the objectives and to make evaluation more homogenous.
SAMPLE	656 pupils in the sixth grade of the comprehensive school and 528 pupils in the ninth grade of the comprehensive school (the general, the medium and the extensive courses) took part in the tests.
METHODS	The tests consisted of multiple-choice items and they measured the following areas: Grammatical structures, reading comprehension, listening comprehension, vocabulary. A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation /Evaluation second language / première langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan

99A

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset kokeet englannin kielessä (englanti oppilaalle 2. vieras kieli) Achievement tests in English as a second foreign language in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to develop tests in English, to give support to set selections, to examine the results of the tests in the light of the objectives and to make evaluation more homogenous. 406 pupils taking the long course in the ninth grade of the comprehensive school and 132 pupils taking the short course in the ninth grade of the comprehensive school took part in the tests. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation second language / premiere langue / erste Femdsprache

RESEARCH IN PROGRESS	(englanti oppilaalle 2. vieras kieli)
TITLE OF THE RESEARCH	Achievement tests in English as a second foreign language in 1972-73
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Havola-Pitkänen, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The purpose of the study is to develop tests in English, to give support to set selections, to examine the results of the tests in the light of the objectives and to make evaluation more homogenous.
SAMPLE METHODS	406 pupils taking the long course in the ninth grade of the comprehensive school and 132 pupils taking the short course in the ninth grade of the comprehensive school took part in the tests. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date IX/ 72 Probable completion date __/__.
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation second language / premiere langue / erste Femdsprache curriculum / programme d'etudes / Bildungsplan

102

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Yhteis- ja omakomponenttianalyysi The analysis of the common and unique components
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Heinonen, Veikko , Ed.D. Renko, Manu , Ed.D.
BIBLIOGRAPHIC REFERENCE	Heinonen, Veikko & Renko, Manu, Yhteis- ja omakomponenttianalyysi. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 204, 1973,67 p, ISBN 951-677-193-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report presents a method by means of which the scores of test variables (matrix S_c) can be divided into two components. The common component (matrix S_c) represents the response model which is explained by the common factors in an individual's response to a test variable, and which is characteristic of the group with regard to the structure of the response. The unique component (matrix S_u) consists of the part of the original score that remains when the common component, which is determined by the common factors, is separated. The unique component represents individuality in the response. The common components are calculated using the basic formula of the factor analysis, $S_c = AP_c$ (in which A = factor pattern and P_c = factor score matrix). Difference matrix $S_e - S_c = S_u$ includes the unique components. The significance of both the common and unique components can be examined by correlating these variables with extraneous variables. When matrix S_u is transformed into standard scores by variable, the average unique component score of each individual can be defined as sums of the standard scores. The method involves several further explications concerning the model and an example of its application to practice.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	factor analysis / analyse factorielle / Faktorenanalyse research method / methode de recherche / Forschungs-

COMPLETED RESEARCH TITLE OF THE RESEARCH	Yhteis- ja omakomponenttianalyysi The analysis of the common and unique components
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Heinonen, Veikko , Ed.D. Renko, Manu , Ed.D.
BIBLIOGRAPHIC REFERENCE	Heinonen, Veikko & Renko, Manu, Yhteis- ja omakomponenttianalyysi. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 204, 1973,67 p, ISBN 951-677-193-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report presents a method by means of which the scores of test variables (matrix S_c) can be divided into two components. The common component (matrix S_c) represents the response model which is explained by the common factors in an individual's response to a test variable, and which is characteristic of the group with regard to the structure of the response. The unique component (matrix S_u) consists of the part of the original score that remains when the common component, which is determined by the common factors, is separated. The unique component represents individuality in the response. The common components are calculated using the basic formula of the factor analysis, $S_c = AP_c$ (in which A = factor pattern and P_c = factor score matrix). Difference matrix $S_e - S_c = S_u$ includes the unique components. The significance of both the common and unique components can be examined by correlating these variables with extraneous variables. When matrix S_u is transformed into standard scores by variable, the average unique component score of each individual can be defined as sums of the standard scores. The method involves several further explications concerning the model and an example of its application to practice.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	factor analysis / analyse factorielle / Faktorenanalyse research method / methode de recherche / Forschungsmethode: methodology / methodologie / Methodologie

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Keskiasteen oppilaitosten opetussuunnitelmatutkimus A comparative study of mother tongue and mathematics curricula in Finnish secondary education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hirvi, Vilho, M.A. Leimu, Kimmo, Ed.Lic. Pasanen, Tauno, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to examine what similarities and differences (how much overlapping) can be found in the mother tongue and mathematics curricula in secondary education. The study concerns besides the upper secondary school also vocational schools, paticularly their leaving stage. A particular aim is to study how realistic it would be to have common final examinations for several different channels of education. The subjects are a sample of teachers of mother tongue and mathematics in the upper secondary school and vocational schools in Finland. The measuring instrument is a questionnaire inquiring about the curricular objectives within the framework of two-dimensional objective description. In addition some general questions are discussed. The analyses are based on tabulated data and classifications of test items. Frequency and mean comparisons are used to create a picture of the overlapping of the curricula and the possibilities of preparing common final examinations for different channels of education. A study commissioned by the 1972 Committee on the Planning of Examinations for the needs of the Committee's decision-making. A separate study directed by the 1972 Committee on the Planning of Examinations. The leader of the project is the Committee's secretary Mr. Kimmo Leimu.
TIME SCHEDULE	Starting date V / 73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education, funds appropriated to the 1972 Committee on the Planning of Examinations
DESCRIPTORS	curriculum / programme d'etudes / Bildungsplan aims of education / finalite de l'education / Erziehungsziel teaching programme / programme d'enseignement / Unterrichtsprogramm

	in Finnish secondary education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hirvi, Vilho, M.A. Leimu, Kimmo, Ed.Lic. Pasanen, Tauno, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to examine what similarities and differences (how much overlapping) can be found in the mother tongue and mathematics curricula in secondary education. The study concerns besides the upper secondary school also vocational schools, paticularly their leaving stage. A particular aim is to study how realistic it would be to have common final examinations for several different channels of education. The subjects are a sample of teachers of mother tongue and mathematics in the upper secondary school and vocational schools in Finland. The measuring instrument is a questionnaire inquiring about the curricular objectives within the framework of two-dimensional objective description. In addition some general questions are discussed. The analyses are based on tabulated data and classifications of test items. Frequency and mean comparisons are used to create a picture of the overlapping of the curricula and the possibilities of preparing common final examinations for different channels of education. A study commissioned by the 1972 Committee on the Planning of Examinations for the needs of the Committee's decision-making. A separate study directed by the 1972 Committee on the Planning of Examinations. The leader of the project is the Committee's secretary Mr. Kimmo Leimu.
TIME SCHEDULE	Starting date V_/_73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education, funds appropriated to the 1972 Committee on the Planning of Examinations
DESCRIPTORS	curriculum / programme d'etudes / Bildungsplan aims of education / finalite de l'education / Erziehungsziel teaching programme / programme d'enseignement / Unterrichtsprogramm secondary education / enseignement secondaire/

52.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Äidinkielen tavoitekuvausjärjestelmän kehittäminen Bloomin taksonomian pohjalta The definition of educational objectives in the language arts on the basis of Bloom's taxonomy
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hirvi, Vilho, M.A. Linnakylä, Pirjo, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is 1. to define the content units of the subareas of the native language 2. to express behavioral objectives within all three components 3. to classify the taxonomical levels of behavioral objectives for the native language 4. to develop evaluation methods which become more demanding in accordance with the taxonomic hierarchy. An analysis and classification of the contents of the native language. An analysis and combination of behavioral objectives on the basis of Bloom's taxonomy. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date II/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel mother tongue / langue maternelle / Muttersprache evaluation / evaluation / Evaluation curriculum / programme d'etudes / Bildungsplan

	on the basis of Bloom's taxonomy
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hirvi, Vilho, M.A. Linnakylä, Pirjo, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is 1. to define the content units of the subareas of the native language 2. to express behavioral objectives within all three components 3. to classify the taxonomical levels of behavioral objectives for the native language 4. to develop evaluation methods which become more demanding in accordance with the taxonomic hierarchy. An analysis and classification of the contents of the native language. An analysis and combination of behavioral objectives on the basis of Bloom's taxonomy. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date II/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel mother tongue / langue maternelle / Muttersprache evaluation / evaluation / Evaluation curriculum / programme d'etudes / Bildungsplan

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Peruskoulun opetussuunnitelman äidinkielen osan konkretisointiesitys kuntatason opetussuunnitelmaksi A proposal for the concretization of the language arts section in the comprehensive school curriculum on the municipal level
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hirvi, Vilho, M.Ed. Linnakylä, Pirjo, M.Ed. Aaltonen, Liisa, M.Ed. Ahonen, Ritva, M.Ed. Mikkonen, Antti, M.Ed. Nuorti, Pentti, M.Ed.
BIBLIOGRAPHIC REFERENCE	Hirvi, Vilho & Linnakylä, Pirjo & Aaltonen, Liisa & Ahonen, Ritva & Mikkonen, Antti & Nuorti, Pentti, Peruskoulun opetussuunnitelman äidinkielen osan konkretisointiesitys kuntatason opetussuunnitelmaksi. Jyväskylän yliopisto, Kasvatustieteiden tutkimuslaitos. Report 184. 1973. 51p. ISBN 951-677-113-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to apply a simplified model of Bloom's taxonomy of educational objectives to concretize the language arts section in the comprehensive school curriculum. A team consisting of teachers, pupils and research assistents analysed the educational objectives of the language arts along two dimensions: behavior goals and contents goals, and made propositions for the evaluation of the goal achievement.
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	curriculum / programme d'etudes / Bildungsplan teaching objective / objectif pedagogique / Lehrziel mother tongue / langue maternelle / Muttersprache lesson preparation / preparation des cours /

COMPLETED RESEARCH

TITLE OF THE RESEARCH	tiesitys kuntatason opetussuunnitelmaksi A proposal for the concretization of the language arts section in the comprehensive school curriculum on the municipal level
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hirvi, Vilho, M.Ed. Linnakylä, Pirjo, M.Ed. Aaltonen, Liisa, M.Ed. Ahonen, Ritva, M.Ed. Mikkonen, Antti, M.Ed. Nuorti, Pentti, M.Ed.
BIBLIOGRAPHIC REFERENCE	Hirvi, Vilho & Linnakylä, Pirjo & Aaltonen, Liisa & Ahonen, Ritva & Mikkonen, Antti & Nuorti, Pentti, Peruskoulun opetussuunnitelman äidinkielen osan konkretisointiesitys kuntatason opetussuunnitelmaksi. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 184. 1973. 51p. ISBN 951-677-113-0
BACKGROUND, AIMS	The purpose of the study was to apply a simplified model of Bloom's taxonomy of educational objectives to concretize the language arts section in the comprehensive school curriculum. A team consisting of teachers, pupils and research assistents analysed the educational objectives of the language arts along two dimensions: behavior goals and contents goals, and made propositions for the evaluation of the goal achievement.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion __73__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	curriculum / programme d'etudes / Bildungsplan teaching objective / objectif pedagogique / Lehrziel mother tongue / langue maternelle / Muttersprache lesson preparation / preparation des cours / Unterrichtsvorbereitung

110

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Matematiikan oppimisvaikeuksista kansakoulun I luokalla Learning difficulties in mathematics in the first grade of the primary school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hytönen, Matti, M.Ed.
BIBLIOGRAPHIC REFERENCE	Hytönen, Matti, Matematiikan oppimisvaikeuksista kansakoulun I luokalla. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 206. 1973. 30p. ISBN 951-677-200-5
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study learning difficulties and factors which influence them in the first grade of the primary school. The subjects were 25 teachers of this grade in the town of Jyväskylä. These teachers received a questionnaire on learning difficulties. In addition, six teachers were interviewed in more detail and some of their pupils were given a diagnostic test. The study gave information about the parts of the syllabus which cause difficulties, and on teachers' opinions about the reasons for the difficulties. In addition, quite a clear picture was obtained of the problems that teachers experience in teaching. The study indicates that an analysis of the structure of the syllabus and the demands it makes on pupils is needed for ascertaining learning difficulties. We have to find out which factors in teaching are connected with learning difficulties. Measures have to be taken for the development of a curriculum which is based on the principle of overcoming learning difficulties.
TIME SCHEDULE	Starting date IX/ 72 Date of completion __/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	learning difficulty / trouble de l'apprentissage / Lernschwierigkeit mathematics / mathematiques Mathematik early learning / apprentissage precoce / frühes Ler-

TITLE OF THE RESEARCH	Learning difficulties in mathematics in the first grade of the primary school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hytönen, Matti, M.Ed.
BIBLIOGRAPHIC REFERENCE	Hytönen, Matti, Matematiikan oppimisvaikeuksista kansakoulun I luokalla. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 206. 1973. 30p. ISBN 951-677-200-5
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study learning difficulties and factors which influence them in the first grade of the primary school. The subjects were 25 teachers of this grade in the town of Jyväskylä. These teachers received a questionnaire on learning difficulties. In addition, six teachers were interviewed in more detail and some of their pupils were given a diagnostic test. The study gave information about the parts of the syllabus which cause difficulties, and on teachers' opinions about the reasons for the difficulties. In addition, quite a clear picture was obtained of the problems that teachers experience in teaching. The study indicates that an analysis of the structure of the syllabus and the demands it makes on pupils is needed for ascertaining learning difficulties. We have to find out which factors in teaching are connected with learning difficulties. Measures have to be taken for the development of a curriculum which is based on the principle of overcoming learning difficulties.
TIME SCHEDULE	Starting date IX/ 72 Date of completion ___/ 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	learning difficulty / trouble de l'apprentissage / Lernschwierigkeit mathematics / mathematiques Mathematik early learning / apprentissage precoce / frühes Lernen

112

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Koulun työrauhatutkimus A study on school discipline
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to make a survey of factors which cause disturbance in school discipline, and to study how teachers experience them and how they act in case of disturbances. After this the reasons for disturbances are mapped, and the aim is to make concrete proposals for measures to be taken for the elimination of the disturbances. The study concerns comprehensive schools in Finland: pupils in the eighth form N = 500, teachers N = 200, other school staff N = 50. Data is collected by means of questionnaires, observations, and interviews. The study deals mainly with variables at the individual level, but a further study is aimed at variables at the organizational level and milieu variables. The study is part of the project on the evaluation of the attainment of affective objectives in the comprehensive school.
TIME SCHEDULE	Starting date III/73 Probable completion date XII / 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	**misconduct / mauvaise conduite / schlechtes Betragen** **discipline / discipline / Disziplin** **classwork / travail de classe / Arbeit in der Klasse**

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Koulun työrauhatutkimus A study on school discipline
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to make a survey of factors which cause disturbance in school discipline, and to study how teachers experience them and how they act in case of disturbances. After this the reasons for disturbances are mapped, and the aim is to make concrete proposals for measures to be taken for the elimination of the disturbances. The study concerns comprehensive schools in Finland: pupils in the eighth form N = 500, teachers N = 200, other school staff N = 50. Data is collected by means of questionnaires, observations, and interviews. The study deals mainly with variables at the individual level, but a further study is aimed at variables at the organizational level and milieu variables. The study is part of the project on the evaluation of the attainment of affective objectives in the comprehensive school.
TIME SCHEDULE	Starting date III/73 Probable completion date XII / 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	misconduct / mauvaise conduite / schlechtes Betragen discipline / discipline / Disziplin classwork / travail de classe / Arbeit in der Klasse

114

COUNTRY DATE	Finland December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Opiskelutaidon tavoitteet ja niiden saavuttaminen peruskoulussa Study skill objectives and their attainment in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The aim of the study was to draw up a system of describing study skill and to use it for describing study skill objectives in the comprehensive school, materials, teaching processes and attainment of objectives in the comprehensive school in the fields of study attitudes, study hygience and study technique, which together form the study skill. Results of the study have been published in report 195/1973 of the Institute for Educational Research. The study is continued and the purpose is to examine the specific variance between individual study skills. Subjects: pupils in the sixth and ninth grades of the comprehensive school (N = 1000). Measuring instruments: questionnaires on the psychology of learning, study hygiene, study technique and study attitudes, constructed during the study. Results are presented by means of different kind of mean values, and regression and factor analyses. The study continues as an application of a new type of factor analysis developed by prof. Veikko Heinonen, by means of which the specific variance in study skill is analyzed. An evaluation of the report of the comprehensive school curriculum committee (1970) and its realization.
TIME SCHEDULE	Starting date XII/ 72 Probable completion date VII/ 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	work attitude / attitude envers le travail / Arbeitshaltung study method / methode de travail / Arbeitstechnik skill / competence / Fertigkeit

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Opiskelutaidon tavoitteet ja niiden saavuttaminen peruskoulussa Study skill objectives and their attainment in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The aim of the study was to draw up a system of describing study skill and to use it for describing study skill objectives in the comprehensive school, materials, teaching processes and attainment of objectives in the comprehensive school in the fields of study attitudes, study hygience and study technique, which together form the study skill. Results of the study have been published in report 195/1973 of the Institute for Educational Research. The study is continued and the purpose is to examine the specific variance between individual study skills. Subjects: pupils in the sixth and ninth grades of the comprehensive school (N = 1000). Measuring instruments: questionnaires on the psychology of learning, study hygiene, study technique and study attitudes, constructed during the study. Results are presented by means of different kind of mean values, and regression and factor analyses. The study continues as an application of a new type of factor analysis developed by prof. Veikko Heinonen, by means of which the specific variance in study skill is analyzed. An evaluation of the report of the comprehensive school curriculum committee (1970) and its realization.
TIME SCHEDULE	Starting date XII/72 Probable completion date VII/74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	work attitude / attitude envers le travail / Arbeitshaltung study method / methode de travail / Arbeitstechnik skill / competence / Fertigkeit

116

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Opiskelutaidon tavoitteet ja niiden toteutuminen peruskoulussa lukuvuonna 1971-1972 The objectives of study skill and their attainment in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Hämäläinen, Seppo, Opiskelutaidon tavoitteet ja niiden toteutuminen peruskoulussa lukuvuonna 1971-1972. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 195. 1973. 284p. ISBN 951-677-153-X
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to describe and evaluate the objectives of study skills in the comprehensive school, the teaching methods and materials used to attain the objectives, and to evaluate to what extent the objectives have been reached. In addition, it is examined to what extent differences in the pupils' educational achievements can be predicted by means of study skills. The theoretical paradigm of the structure of study skills designed to serve as the frame of reference for the present study obtained empirical support in a factor analytical study of study skill: study skill contains the domains of study hygiene, attitudes towards study, and study technique, all of which contribute independently to the explanation of educational achievements. A representative sample of comprehensive schools were taken for the evaluation of study skill: 1008 pupils from grades 6 and 9 and 96 teachers. The evaluation was based on the content analyses of objectives and materials and on the measurements of teaching procedures and educational achievements with school achievement tests and questionnaires.
TIME SCHEDULE	Starting date III/72 Date of completion VIII/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	study method / mathode de travail / Arbeitstechnik work attitude / attitude envers le travail / Arbeitshaltung evaluation / evaluation / Evaluation

TITLE OF THE RESEARCH	The objectives of study skill and their attainment in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Hämäläinen, Seppo, Opiskelutaidon tavoitteet ja niiden toteutuminen peruskoulussa lukuvuonna 1971-1972. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 195. 1973. 284p. ISBN 951-677-153-X
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to describe and evaluate the objectives of study skills in the comprehensive school, the teaching methods and materials used to attain the objectives, and to evaluate to what extent the objectives have been reached. In addition, it is examined to what extent differences in the pupils' educational achievements can be predicted by means of study skills. The theoretical paradigm of the structure of study skills designed to serve as the frame of reference for the present study obtained empirical support in a factor analytical study of study skill: study skill contains the domains of study hygiene, attitudes towards study, and study technique, all of which contribute independently to the explanation of educational achievements. A representative sample of comprehensive schools were taken for the evaluation of study skill: 1008 pupils from grades 6 and 9 and 96 teachers. The evaluation was based on the content analyses of objectives and materials and on the measurements of teaching procedures and educational achievements with school achievement tests and questionnaires.
TIME SCHEDULE	Starting date III/72 Date of completion VIII/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	study method / mathode de travail / Arbeitstechnik work attitude / attitude envers le travail / Arbeitshaltung evaluation / evaluation / Evaluation

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kokeiluperuskoulujen yhteiset äidinkielenkokeet lukuvuonna 1971-1972 Achievement tests in language arts (Finnish) in the experimental comprehensive schools in 1971-1972
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic. Linnakylä, Pirjo, M.A. Hirvi, Vilho, M.A.
BIBLIOGRAPHIC REFERENCE	Hämäläinen, Seppo, Linnakylä, Pirjo, Hirvi, Vilho, Kokeiluperuskoulujen yhteiset äidinkielenkokeet lukuvuonna 1971-1972. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos.Report 185. 1973. 79p. ISBN 951-677-115-7
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	During the school year 1971-1972 the achievement tests in the language arts were arranged in the Finnish experimental comprehensive schools in grade 9, in five secondary schools in grade 5 and in two civic schools in grade 9. Each class took the language knowledge and reading comprehension tests. Furthermore the comprehensive school pupils wrote an article of the reproduction type. The tests proved suitable for the level in questior and were of sufficient technical quality.
TIME SCHEDULE	Starting date I / 72 Date of completion I / 73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	mother tongue / langue maternelle / Muttersprache composition / composition litteraire / Aufsatz achievement test / test de rendement / Leistungstest

TITLE OF THE RESEARCH	vuonna 1971-1972 Achievement tests in language arts (Finnish) in the experimental comprehensive schools in 1971-1972
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Hämäläinen, Seppo, Ed.Lic. Linnakylä, Pirjo, M.A. Hirvi, Vilho, M.A.
BIBLIOGRAPHIC REFERENCE	Hämäläinen, Seppo, Linnakylä, Pirjo, Hirvi, Vilho, Kokeiluperuskoulujen yhteiset äidinkielenkokeet lukuvuonna 1971-1972. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos.Report 185. 1973. 79p. ISBN 951-677-115-7
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	During the school year 1971-1972 the achievement tests in the language arts were arranged in the Finnish experimental comprehensive schools in grade 9, in five secondary schools in grade 5 and in two civic schools in grade 9. Each class took the language knowledge and reading comprehension tests. Furthermore the comprehensive school pupils wrote an article of the reproduction type. The tests proved suitable for the level in question and were of sufficient technical quality.
TIME SCHEDULE	Starting date I / 72 Date of completion I / 73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	mother tongue / langue maternelle / Muttersprache composition / composition litteraire / Aufsatz achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation

120

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Korkeakoulujen oppilasvalinta On student selection in higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Jalkanen, Hannu, B. A.
BIBLIOGRAPHIC REFERENCE	Jalkanen, Hannu, Korkeakoulujen oppilasvalinta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 173. 1973. 89p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Student selection in higher education has become a central issue in educational policy, because the demand for academic manpower has increased in several fields and because not everybody who fulfils the requirements gets into institutions of higher education. The selection procedure varies from institution to institution. There has been a very limited amount of co-operation, and multiple application is common. In 1971 about one quarter of the applicants were accepted into institutions of higher education. About half of them were students who had matriculated the same year, and under 10 % were other than matriculated students. About 10 % of the applicants got the right to study on the basis of school reports and about 14 % of those taking part in the entrance examination got it on the basis of the examination. Enough regard is not always paid to providing information to applicants and to conditions for legal security in selections. The most important selection criteria are school reports and the entrance examination. The reports are related to the applicant's social and educational background whereas the entrance examination is largely independent of them.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	admission requirements / conditions d'admission / Zulassungsbedingung higher education / enseignement superieur / Hochschulbildung

COMPLETED RESEARCH	Korkeakoulujen oppilasvalinta
TITLE OF THE RESEARCH	On student selection in higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Jalkanen, Hannu, B. A.
BIBLIOGRAPHIC REFERENCE	Jalkanen, Hannu, Korkeakoulujen oppilasvalinta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 173. 1973. 89p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Student selection in higher education has become a central issue in educational policy, because the demand for academic manpower has increased in several fields and because not everybody who fulfils the requirements gets into institutions of higher education. The selection procedure varies from institution to institution. There has been a very limited amount of co-operation, and multiple application is common. In 1971 about one quarter of the applicants were accepted into institutions of higher education. About half of them were students who had matriculated the same year, and under 10 % were other than matriculated students. About 10 % of the applicants got the right to study on the basis of school reports and about 14 % of those taking part in the entrance examination got it on the basis of the examination. Enough regard is not always paid to providing information to applicants and to conditions for legal security in selections. The most important selection criteria are school reports and the entrance examination. The reports are related to the applicant's social and educational background whereas the entrance examination is largely independent of them.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	admission requirements / conditions d'admission / Zulassungsbedingung higher education / enseignement superieur / Hochschulbildung numerus clausus / numerus clausus / Numerus Clausus

60.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Korkeakoululaitoksen mitoituksen kansainvälinen vertailu International comparison of the capacity of higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Jalkanen, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study mainly the quantitative development of higher education and other tertiary education in different countries in 1950-1968.
SAMPLE	The material consists mainly of information issued by OECD and UNESCO.
METHODS	A part of the study on the reform of the administration in higher education.
TIME SCHEDULE	Starting date X/72 Probable completion date _/_
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	**higher education / enseignement superieur / Hochschulbildung** **comparative education / education comparee / vergl**

TITLE OF THE RESEARCH	International comparison of the capacity of higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Jalkanen, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study mainly the quantitative development of higher education and other tertiary education in different countries in 1950-1968.
SAMPLE	The material consists mainly of information issued by OECD and UNESCO.
METHODS	A part of the study on the reform of the administration in higher education.
TIME SCHEDULE	Starting date X/72 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	higher education / enseignement superieur / Hochschulbildung comparative education / education comparee / vergl. Erziehungswissenschaft national planning - planification nationale / nationale Planung

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Korkeakoulutus ja väestöllinen kehitys Higher education and demographic development
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Jalkanen, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study differences between different branches of science, different educational levels and different parts of the country, and their relationships with educated and non-educated population and the effect of education on regional mobility of population. The most essential part of the material consists of information from the census of 31.12.1970 concerning the whole country. The classifications used have been derived from sub-classifications used in the census. A part of the study on the reform of the administration of higher education.
TIME SCHEDULE	Starting date II/73 Probable completion date _/_
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	demography / demographie / Demographie higher education / enseignement superieur / Hochschulbildung

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Korkeakoulutus ja väestöllinen kehitys Higher education and demographic development
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Jalkanen, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study differences between different branches of science, different educational levels and different parts of the country, and their relationships with educated and non-educated population and the effect of education on regional mobility of population. The most essential part of the material consists of information from the census of 31.12.1970 concerning the whole country. The classifications used have been derived from subclassifications used in the census. A part of the study on the reform of the administration of higher education.
TIME SCHEDULE	Starting date II/73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	demography / demographie / Demographie higher education / enseignement superieur / Hochschulbildung administration of education / administration de l'enseignement / Bildungsverwaltung

COUNTRY DATE	Finland December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Komparatiivisen pedagogiikan opetuksesta ja tutkimuksesta maamme korkeakouluissa 1969-9171 On the teaching and study of comparative education in institutions of higher education in Finland 1969-1971
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kajava, Kalevi, Ed.D.
BIBLIOGRAPHIC REFERENCE	Kajava, Kalevi, Komparatiivisen pedagogiikan opetuksesta ja tutkimuksesta maamme korkeakouluissa 1969-71. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 205. 1973. 89p. ISBN 951-677-195-5
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of this brief study is to make a survey of the position of comparative education in the institutions of higher education in Finland including teacher training colleges, and to make proposals for the development of teaching and research in the field. The impetus for the plan of work was given by an inquiry concerning comparative education carried out by Unesco Institute for Education in Hamburg in 1969. The research material consists mainly of written source material, such as the curricula, the annual reports and the examination requirements of institutions of higher education and the 1969-71 catalogues of studies in progress and completed studies published by the Institute for Educational Research. The number of lectures given in comparative education is relatively small in Finland, and this is obviously due to the scarcity of material and intellectual resources of a small country. The examination requirements of higher education do not require that students get acquainted with the problems of comparative education until at the cum laude and laudatur levels. Actual research work is limited to the international IEA-investigation and is conducted by the Institute for Educational Research.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	comparative education / education comparee / vergl. Erziehungswissenschaft higher education / enseignement superieur / Hoch-

COMPLETED RESEARCH

TITLE OF THE RESEARCH	Komparatiivisen pedagogiikan opetuksesta ja tutkimuksesta maamme korkeakouluissa 1969-9171 On the teaching and study of comparative education in institutions of higher education in Finland 1969-1971
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kajava, Kalevi, Ed.D.
BIBLIOGRAPHIC REFERENCE	Kajava, Kalevi, Komparatiivisen pedagogiikan opetuksesta ja tutkimuksesta maamme korkeakouluissa 1969-71. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 205. 1973. 89p. ISBN 951-677-195-5
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of this brief study is to make a survey of the position of comparative education in the institutions of higher education in Finland including teacher training colleges, and to make proposals for the development of teaching and research in the field. The impetus for the plan of work was given by an inquiry concerning comparative education carried out by Unesco Institute for Education in Hamburg in 1969. The research material consists mainly of written source material, such as the curricula, the annual reports and the examination requirements of institutions of higher education and the 1969-71 catalogues of studies in progress and completed studies published by the Institute for Educational Research. The number of lectures given in comparative education is relatively small in Finland, and this is obviously due to the scarcity of material and intellectual resources of a small country. The examination requirements of higher education do not require that students get acquainted with the problems of comparative education until at the cum laude and laudatur levels. Actual research work is limited to the international IEA-investigation and is conducted by the Institute for Educational Research.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	comparative education / education comparee / vergl. Erziehungswissenschaft higher education / enseignement superieur / Hochschulbildung

128

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Tasokurssien valintaprosessien tarkastelua oppilaiden siirtyessä peruskoulun yläasteelle A review of the process of pupils' course selection on transferring to the upper level of the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kangasniemi, Erkki, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Kangasniemi, Erkki, Tasokurssien valintaprosessien tarkastelua oppilaiden siirtyessä peruskoulun yläasteelle. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 171. 1973. 92p. ISBN 951-677-085-1
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to clarify the process of course selection. Three stages were proposed in the selection process: the school's recommendation (R), the pupil's and parents' preliminary decision (D), and final actual course selection (S). Moreover, the study briefly dealt with the selectivity related to course selection and the manifestation of cognitive dissonance in the selection process. Subjects were experimental comprehensive school pupils in the sixth grade in the spring of 1971 and the same pupils in the seventh grade in autumn 1971 (N = 1146). A sample of 150 pupils was taken to analyze selectivity and a sample of 60 pupils to study dissonance. The results indicated that in the majority of cases the selection process coincides entirely with the school's recommendation (i.e. P=D=S). There is fairly little freedom in the choice of different alternative courses (sets), and it is most common in the case of subject/pupil. The selection process is selective with regard to school success. The pupils' preliminary decision (D) is generally consonant with other cognitions. Among the pupils who have taken the advanced courses, decision is dissonant with the pupils' evaluation of the courses.
TIME SCHEDULE	Starting date VIII/72 Date of completion V/73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	teaching programme / programme d'enseignement / Unterrichtsprogramm option / matiere a option / Wahlfach

COMPLETED RESEARCH

TITLE OF THE RESEARCH	tyessä peruskoulun yläasteelle A review of the process of pupils' course selection on transferring to the upper level of the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kangasniemi, Erkki, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Kangasniemi, Erkki, Tasokurssien valintaprosessien tarkastelua oppilaiden siirtyessä peruskoulun yläasteelle. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 171. 1973. 92p. ISBN 951-677-085-1
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to clarify the process of course selection. Three stages were proposed in the selection process: the school's recommendation (R), the pupil's and parents' preliminary decision (D), and final actual course selection (S). Moreover, the study briefly dealt with the selectivity related to course selection and the manifestation of cognitive dissonance in the selection process. Subjects were experimental comprehensive school pupils in the sixth grade in the spring of 1971 and the same pupils in the seventh grade in autumn 1971 (N = 1146). A sample of 150 pupils was taken to analyze selectivity and a sample of 60 pupils to study dissonance. The results indicated that in the majority of cases the selection process coincides entirely with the school's recommendation (i.e. P=D=S). There is fairly little freedom in the choice of different alternative courses (sets), and it is most common in the case of subject/pupil. The selection process is selective with regard to school success. The pupils' preliminary decision (D) is generally consonant with other cognitions. Among the pupils who have taken the advanced courses, decision is dissonant with the pupils' evaluation of the courses.
TIME SCHEDULE	Starting date VIII/ 72 Date of completion V / 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	teaching programme / programme d'enseignement / Unterrichtsprogramm option / matiere a option / Wahlfach selection / selection / Auslese

130

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Reaaliaineiden opetuksessa käytettävien kuvien affektiivisista valintakriteereistä On the affective selection criteria of pictures used in the teaching of some theoretical subjects
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kari, Jouko, Ed.D.
BIBLIOGRAPHIC REFERENCE	Kari, Jouko, Reaaliaineiden opetuksessa käytettävien kuvien affektiivisista valintakriteereistä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 210, 1973, 100p, ISBN 951-677-225-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The research problems concentrate mainly on mapping the affective influences on pupils and teachers of slides and film-strips used in the teaching of some theoretical subjects (e.g. history, social studies, geography). The main results show that there are three general basic dimensions to be found in the affective influences, which group the pictures in the following way: I pictures showing beauty and good deeds versus pollution and bad beeds, II pictures showing security and pleasure versus insecurity and distress and III pictures showing splendour versus decline and chaos. The study examines in detail the differences between sexes and between teachers and pupils in the affective experience of the pictures. The study indicates that pictures used in teaching can fairly reliably be evaluated also from the point of view of their affective selection criteria.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	teaching aids / moyens d'enseignement / Lehrmittel picture / tableau / Gemälde affectivity / affectivite / Affektivität

	teaching of some theoretical subjects
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kari, Jouko, Ed.D.
BIBLIOGRAPHIC REFERENCE	Kari, Jouko, Reaaliaineiden opetuksessa käytettävien kuvien affektiivisista valintakriteereistä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 210, 1973, 100p, ISBN 951-677-225-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The research problems concentrate mainly on mapping the affective influences on pupils and teachers of slides and filmstrips used in the teaching of some theoretical subjects (e.g. history, social studies, geography). The main results show that there are three general basic dimensions to be found in the affective influences, which group the pictures in the following way: I pictures showing beauty and good deeds versus pollution and bad beeds, II pictures showing security and pleasure versus insecurity and distress and III pictures showing splendour versus decline and chaos. The study examines in detail the differences between sexes and between teachers and pupils in the affective experience of the pictures. The study indicates that pictures used in teaching can fairly reliably be evaluated also from the point of view of their affective selection criteria.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	teaching aids / moyens d'enseignement / Lehrmittel picture / tableau / Gemälde affectivity / affectivite / Affektivität

COUNTRY DATE	Finland December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kansakoululaisten [illegible]hempien peruskoulutietoudesta Keski-Suomen läänissä Elementary school [illegible]ils' parents' knowledge about the comprehensive sch[illegible]
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kauppinen, Tuula, M. Ed.
BIBLIOGRAPHIC REFERENCE	Kauppinen, Tuula, Kansakoululaisten vanhempien peruskoulutietoudesta Keski-Suomen läänissä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 182. 1973. 38p. ISBN 951-677-108-4
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study dealt with the question to what extent elementary school pupils' parents had information about the coming comprehensive school. The research was carried out immediately after the socalled comprehensive school information week (November 21st to 27th, 1971) and it belongs to a larger project dealing with the measurement of how much primary school teachers, pupils and their parents knew about the comprehensive school. The data were gathered by questionnaires. The results showed that the parents belonging to the middle classes knew more about the comprehensive school than other parents. In group comparisons the differences in scores ranged from statistically non-significant to highly significant. With the exception of one area the middle classes knew more than the others about all aspects of the comprehensive school. Contrary to hypothesis those outside the middle classes had more often than the middle classes the printed word as the main source of information.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	educational information / information pedagogique / Bildungsinformation message reception / reception de message /

COMPLETED RESEARCH	Kansakoululaisten vanhempien peruskoulutietoudesta Keski-Suomen läänissä
TITLE OF THE RESEARCH	Elementary school pupils' parents' knowledge about the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kauppinen, Tuula, M. Ed.
BIBLIOGRAPHIC REFERENCE	Kauppinen, Tuula, Kansakoululaisten vanhempien peruskoulutietoudesta Keski-Suomen läänissä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 182. 1973. 38p. ISBN 951-677-108-4
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study dealt with the question to what extent elementary school pupils' parents had information about the coming comprehensive school. The research was carried out immediately after the socalled comprehensive school information week (November 21st to 27th, 1971) and it belongs to a larger project dealing with the measurement of how much primary school teachers, pupils and their parents knew about the comprehensive school. The data were gathered by questionnaires. The results showed that the parents belonging to the middle classes knew more about the comprehensive school than other parents. In group comparisons the differences in scores ranged from statistically non-significant to highly significant. With the exception of one area the middle classes knew more than the others about all aspects of the comprehensive school. Contrary to hypothesis those outside the middle classes had more often than the middle classes the printed word as the main source of information.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	educational information / information pedagogique / Bildungsinformation message reception / reception de message / Nachrichtenaufnahme parent-school relation / relation parents-ecole /

6.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kustannus-hyötyanalyysi ja koulutuksen suunnittelu Cost-benefit analysis and educational planning
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kettunen, Pertti, M.A. Reitti, Jarmo, M.A. Turtiainen, Kare, M.A.
BIBLIOGRAPHIC REFERENCE	Kettunen, Pertti, Reitti, Jarmo, Turtiainen, Kare, Kustannus-hyötyanalyysi ja koulutuksen suunnittelu. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 170. 1973. 73p. ISBN 951-677-084-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	In the first part of the study the basic hypotheses of the costbenefit analysis and the mathematical methods used in it are examined paying special attention to the suitability of the method for preparing decisions which take into account the objectives of several interest groups. The cost-benefit analysis is also compare with other methods of educational planning. The second part of the study deals with the suitability of the cost-benefit analysis for quantitative educational planning. The problem area is divided in three parts. In connection with the quantitative problem of education methods are sought for analysing the needed amount of educational supply and educational demand. In the problem of the structure of education an attempt is made to find possible ways of comparing the alternatives concerning the arrangement of education al programs, education units of different size and other questions of educational structure. The study is, however, most succesful in developing methods for solving problems of location i.e. the placement of an educational unit.
TIME SCHEDULE	Starting date 1/ 9 Date of completion /73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	planning of education / planification de l'education / Bildungsplanung cost-benefit analysis / analyse cout-avantage /

COMPLETED RESEARCH TITLE OF THE RESEARCH	Kustannus-hyötyanalyysi ja koulutuksen suunnittelu Cost-benefit analysis and educational planning
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kettunen, Pertti, M.A. Reitti, Jarmo, M.A. Turtiainen, Kare, M.A.
BIBLIOGRAPHIC REFERENCE	Kettunen, Pertti, Reitti, Jarmo, Turtiainen, Kare, Kustannus-hyötyanalyysi ja koulutuksen suunnittelu. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 170. 1973. 73p. ISBN 951-677-084-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	In the first part of the study the basic hypotheses of the costbenefit analysis and the mathematical methods used in it are examined paying special attention to the suitability of the method for preparing decisions which take into account the objectives of several interest groups. The cost-benefit analysis is also compare with other methods of educational planning. The second part of the study deals with the suitability of the cost-benefit analysis for quantitative educational planning. The problem area is divided in three parts. In connection with the quantitative problem of education methods are sought for analysing the needed amount of educational supply and educational demand. In the problem of the structure of education an attempt is made to find possible ways of comparing the alternatives concerning the arrangement of education al programs, education units of different size and other questions of educational structure. The study is, however, most succesful in developing methods for solving problems of location i.e. the placement of an educational unit.
TIME SCHEDULE	Starting date 1 / 9 Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	planning of education / planification de l'education / Bildungsplanung cost-benefit analysis / analyse cout-avantage / Kosten-Nutzenanalyse

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Jyväskylän yliopiston kasvatus- ja yhteiskuntatieteellisessä tiedekunnassa suunniteltavana olevan tutkinnonuudistuskokeilun seurantatutkimus A follow-up study of the examinations experiment in the Facult of Educational and Social Sciences at Jyväskylä university.
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Konttinen, Raimo, Ed.D. Nuutinen, Anita, B.A. Panhelainen, Mauri, M.A. Eronen, Yrjö, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to collect systematical information about the practical application of principles presented and proposals put forward for the examinations reform, to analyze the gathered material and to make a report of it for the use of decision makers at the national level. Systematical observation, directed at written material (plans) and the work of the planning organization. The study is connected with other research carried out for the examinations reform.
TIME SCHEDULE	Starting date I/73 Probable completion date __/__
SOURCE OF FINANCE	The prodect is financed by the Department for Higher Education and Research of the Ministry of Education
DESCRIPTORS	**higher education / enseignement superieur / Hochschulbildung** **examination system / regime des examens / Prüfungssystem**

TITLE OF THE RESEARCH	tiedekunnassa suunniteltavana olevan tutkinnonuudistuskokeilu seurantatutkimus A follow-up study of the examinations experiment in the Facult of Educational and Social Sciences at Jyväskylä university.
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Konttinen, Raimo, Ed.D. Nuutinen, Anita, B.A. Panhelainen, Mauri, M.A. Eronen, Yrjö, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to collect systematical information about the practical application of principles presented and proposals put forward for the examinations reform, to analyze the gathered material and to make a report of it for the use of decision makers at the national level.
SAMPLE	Systematical observation, directed at written material (plans and the work of the planning organization.
METHODS	The study is connected with other research carried out for the examinations reform.
TIME SCHEDULE	Starting date I / 73 Probable completion date __/__
SOURCE OF FINANCE	The prodect is financed by the Department for Higher Educatio and Research of the Ministry of Education
DESCRIPTORS	higher education / enseignement superieur / Hochschulbildung examination system / regime des examens / Prüfungssystem experimentation / experimentation / Schulversuch curriculum / programme d'etudes / Bildungsplan

68.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulumotivaation muutoksista kolmessa erilaista lukusuunnitelmaa noudattavassa opetusryhmässä Changes in school motivation in three groups following different schedules
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Koponen, Arvo, M. Ed.
BIBLIOGRAPHIC REFERENCE	Koponen, Arvo, Koulumotivaation muutoksista kolmessa erilaista lukusuunnitelmaa noudattavassa opetusryhmässä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 186. 1973. 34p. ISBN 951-677-125-4
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to explain the changes in school motivation of pupils in three different teaching groups when they entered the upper level of comprehensive school. The examined teaching groups were (1) the group of distributed teaching, which studied according to the normal schedule of comprehensive school, (2) the group of partially concentrated teaching, which studied only two subjects according to a schedule which provides for alternating periods of concentrated study and limited/or no study of the subjects and (3) the group of concentrated teaching, which studied most subjects according to the alternating periods schedule. There were differences in school motivation between the groups, but the differences were not caused by the different scheduling of subjects. The entering the upper level of comprehensive school per se makes the pupils' school motivation more uniform.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	motivation / motivation / Motivation time-table / emploi du temps / Stundentafel evaluation / evaluation / Evaluation

COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulumotivaation muutoksista kolmessa erilaista lukusuunnitelmaa noudattavassa opetusryhmässä Changes in school motivation in three groups following different schedules
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Koponen, Arvo, M. Ed.
BIBLIOGRAPHIC REFERENCE	Koponen, Arvo, Koulumotivaation muutoksista kolmessa erilaista lukusuunnitelmaa noudattavassa opetusryhmässä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 186. 1973. 34p. ISBN 951-677-125-4
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to explain the changes in school motivation of pupils in three different teaching groups when they entered the upper level of comprehensive school. The examined teaching groups were (1) the group of distributed teaching, which studied according to the normal schedule of comprehensive school, (2) the group of partially concentrated teaching, which studied only two subjects according to a schedule which provides for alternating periods of concentrated study and limited/or no study of the subjects and (3) the group of concentrated teaching, which studied most subjects according to the alternating periods schedule. There were differences in school motivation between the groups, but the differences were not caused by the different scheduling of subjects. The entering the upper level of comprehensive school per se makes the pupils' school motivation more uniform.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	motivation / motivation / Motivation time-table / emploi du temps / Stundentafel evaluation / evaluation / Evaluation

140

COUNTRY DATE	Finland December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Liikennekäsitteiden opettaminen ja sen yhteys liikennetiedon koulusaavutuksiin Teaching of traffic concepts and its relationship with achievement in traffic education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Lahtinen, Anja, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Lahtinen, Anja, Liikennekäsitteiden opettaminen ja sen yhteys liikennetiedon koulusaavutuksiin. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 181. 1973. 168p. ISBN 951-677-107-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to investingate in the congitive area the learning of concrete vs. abstract concepts and simple vs. complex concepts by means of pictures, definitions and some other method combinations, and the transfer effect of the teaching of concepts in traffic knowledge by an achievement test which was based on Bloom's taxonomy. The teaching of concepts had no significant effect on achievement in traffic education, but differences between the methods of learning became greater so that the definition method proved to be the most effective method also as to the transfer effect. The teaching of concepts was most effective on the variable measuring classifications as was hypothesized. For the learning of applications the picture method turned out to be the best method: in other cases definitions and other combined methods were better.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	concept formation / formation de concept / Begriffsbildung safety education / enseignement de la securite / Sicherheitserziehung road safety / securite routiere / Verkehrserziehung

	achievement in traffic education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Lahtinen, Anja, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Lahtinen, Anja, Liikennekäsitteiden opettaminen ja sen yhteys liikennetiedon koulusaavutuksiin. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 181. 1973. 168p. ISBN 951-677-107-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to investingate in the congitive area the learning of concrete vs. abstract concepts and simple vs. complex concepts by means of pictures, definitions and some other method combinations, and the transfer effect of the teaching of concepts in traffic knowledge by an achievement test which was based on Bloom's taxonomy. The teaching of concepts had no significant effect on achievement in traffic education, but differences between the methods of learning became greater so that the definition method proved to be the most effective method also as to the transfer effect. The teaching of concepts was most effective on the variable measuring classifications as was hypothesized. For the learning of applications the picture method turned out to be the best method: in other cases definitions and other combined methods were better.
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	
DESCRIPTORS	concept formation / formation de concept / Begriffsbildung safety education / enseignement de la securite / Sicherheitserziehung road safety / securite routiere / Verkehrserziehung evaluation / evaluation / Evaluation

70.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Periodilukututkimus. Yhteenveto Kasvatustieteiden tutkimuslaitoksen koulututkimusosastossa suoritetusta periodilukututkimuksesta A study of concentrated teaching. A summary of the study on concentrated teaching carried out in the Department of School Research at the Institute for Educational Research
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Koponen, Arvo, M.Ed.
BIBLIOGRAPHIC REFERENCE	Koponen, Arvo, Periodilukututkimus. Yhteenveto Kasvatustieteiden tutkimuslaitoksen koulututkimusosastossa suoritetusta periodilukututkimuksesta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 203. 1973. 92p. ISBN 951-677-191-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to summarize the results obtained in the project on concentrated teaching carried out in the Department of School Research at the Institute for Educational Research. Concentrated teaching or study means that the study of different subjects is concentrated to certain periods. In most versions of the periodical systems applied in Finland, the school year is divided into six periods. In the project attention has been paid to (a) the practical operation of the periodical system, (b) the influence of the periodical study on students' attitudes, motivation and school achievements. It turned out that concentrated teaching is a pleasant experience for students, and it does not weaken their school motivation or school achievements.
TIME SCHEDULE	Starting date II/73 Date of completion IX/73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	time-table / emploi du temps / Stundentafel experimental school / ecole experimentale / Versuchs-

COMPLETED RESEARCH

TITLE OF THE RESEARCH	Periodilukututkimus. Yhteenveto Kasvatustieteiden tutkimuslaitoksen koulututkimusosastossa suoritetusta periodilukututkimuksesta A study of concentrated teaching. A summary of the study on concentrated teaching carried out in the Department of School Research at the Institute for Educational Research
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Koponen, Arvo, M.Ed.
BIBLIOGRAPHIC REFERENCE	Koponen, Arvo, Periodilukututkimus. Yhteenveto Kasvatustieteiden tutkimuslaitoksen koulututkimusosastossa suoritetusta periodilukututkimuksesta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 203. 1973. 92p. ISBN 951-677-191-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the study was to summarize the results obtained in the project on concentrated teaching carried out in the Department of School Research at the Institute for Educational Research. Concentrated teaching or study means that the study of different subjects is concentrated to certain periods. In most versions of the periodical systems applied in Finland, the school year is divided into six periods. In the project attention has been paid to (a) the practical operation of the periodical system, (b) the influence of the periodical study on students' attitudes, motivation and school achievements. It turned out that concentrated teaching is a pleasant experience for students, and it does not weaken their school motivation or school achievements.
TIME SCHEDULE	Starting date II/73 Date of completion IX/ 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	time-table / emploi du temps / Stundentafel experimental school / ecole experimentale / Versuchsschule evaluation / evaluation / Evaluation

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS	Ammattien sisällöllinen rakenne ja siihen perustuva ammattien luokittelu- ja kuvailujärjestelmä
TITLE OF THE RESEARCH	The content structure of occupations and a system of occupational description and classification
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Koppinen, Alvar, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The aim is to obtain empirical information about the contents of occupations and relationships between occupations.
SAMPLE	The study includes 400 different occupations, which are evaluated with regard to 34 characteristics. There are 10-20 raters for each occupation. The method used is principal component analysis, classification analysis and discriminant analysis.
METHODS	A separate study, thesis (under the supervision of prof. Martti Takala)
TIME SCHEDULE	Starting date II/72 Probable completion date __/__
SOURCE OF FINANCE	Partly as regular office work, partly with the aid of a grant (1500) from the University of Jyväskylä.
DESCRIPTORS	job description / description d'emploi / Arbeitsbeschreibung job classification / classification des emplois /

TITLE OF THE RESEARCH	The content structure of occupations and a system of occupational description and classification
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Koppinen, Alvar, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The aim is to obtain empirical information about the contents of occupations and relationships between occupations.
SAMPLE	The study includes 400 different occupations, which are evaluated with regard to 34 characteristics. There are 10-20 raters for each occupation. The method used is principal component analysis, classification analysis and discriminant analysis.
METHODS	A separate study, thesis (under the supervision of prof. Martti Takala)
TIME SCHEDULE	Starting date II/72 Probable completion date __/__
SOURCE OF FINANCE	Partly as regular office work, partly with the aid of a grant (1500) from the University of Jyväskylä.
DESCRIPTORS	job description / description d'emploi / Arbeitsbeschreibung job classification / classification des emplois / Berufsklassifizierung assessment / appreciation / Bewertung

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun ja lukion opettajien rekisteri A register of comprehensive school and senior secondary school teachers
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kurkela, Rauno, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to form a register of the information needed in the planning of the need of teaching staff, and to create teacher registers at the commune and county levels.
SAMPLE	Research units: comprehensive school and upper secondary school teachers - personal information - education - information about present position - activity outside school.
METHODS	The information is collected by means of a questionnaire from which it is transferred in computer language on to a magnetic tape. The information is also transferred to teacher record cards. The results are presented in form of distributions and cross-tabulations. A separate study.
TIME SCHEDULE	Starting date VII/72 Probable completion date __/__
SOURCE OF FINANCE	The study is financed by the Planning Bureau of the National Board of Education.
DESCRIPTORS	national planning / planification nationele / nationale Planung demand for teachers / besoin d'enseignants / Lehrerbedarf

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kurkela, Rauno, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to form a register of the information needed in the planning of the need of teaching staff, and to create teacher registers at the commune and county levels. Research units: comprehensive school and upper secondary school teachers - personal information - education - information about present position - activity outside school. The information is collected by means of a questionnaire from which it is transferred in computer language on to a magnetic tape. The information is also transferred to teacher record cards. The results are presented in form of distributions and cross-tabulations. A separate study.
TIME SCHEDULE	Starting date VII/ 72 Probable completion date __/__
SOURCE OF FINANCE	The study is financed by the Planning Bureau of the National Board of Education.
DESCRIPTORS	national planning / planification nationele / nationale Planung demand for teachers / besoin d'enseignants / Lehrerbedarf supply of teachers / offre d'enseignants / Lehrerangebot

73.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kielen ja kommunikaation vaatimien psykologisten edellytysten kehittyminen The development of psycholinguistic abilities required in language and communication
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kuusinen, Jorma, Ed.D. Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to prepare a Finnish version of the Illinois Test of Psycholinguistic Abilities-battery and to diagnose the psychological skills required in school learning and to plan and test training programmes.
SAMPLE METHODS	Subjects are 3-9-year old children. 100 children from each age group have been tested by individual tests at one year's intervals. The measuring instrument used is the Illinois Test of Psycholinguistic Abilities -battery, which consists of 12 subtests. The data is treated by means of methods used in preparing and standardizing ability test batteries.
TIME SCHEDULE	Starting date XI /68 Probable completion date __/74
SOURCE OF FINANCE	1969: The University of Illinois 1970-1973: Institute for Educational Research
DESCRIPTORS	psycholinguistics / psycholinguistique / Psycholinguistik child development / developpement de l'enfant /

RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kielen ja kommunikaation vaatimien psykologisten edellytysten kehittyminen The development of psycholinguistic abilities required in language and communication
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Kuusinen, Jorma, Ed.D. Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to prepare a Finnish version of the Illinois Test of Psycholinguistic Abilities-battery and to diagnose the psychological skills required in school learning and to plan and test training programmes.
SAMPLE METHODS	Subjects are 3-9-year old children. 100 children from each age group have been tested by individual tests at one year's intervals. The measuring instrument used is the Illinois Test of Psycholinguistic Abilities -battery, which consists of 12 subtests. The data is treated by means of methods used in preparing and standardizing ability test batteries.
TIME SCHEDULE	Starting date XI /68 Probable completion date __/74
SOURCE OF FINANCE	1969: The University of Illinois 1970-1973: Institute for Educational Research
DESCRIPTORS	psycholinguistics / psycholinguistique / Psycholinguistik child development / developpement de l'enfant / Kindesentwicklung intellectual develepment / developpement intellectu intellektuelle Entwicklung

74.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kielen ja kulttuurin vaikutus psykolingvististen kykyjen faktorirakenteeseen ja siinä tapahtuviin muutoksiin 3-9-vuotiailla lapsilla The effect of language and culture on the factor structure and changes of factor structure of psycholinguistic abilities of 3 to 9 years old children
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Kuusinen, Jorma, Ed.D. Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to evaluate and compare the effect of linguistic and cultural differences on the factor structure and changes in the factor structure of psycholinguistic abilities at the age of 3-9 years by means of ITPA's American and Finnish standardization material. Subjects: ITPA's American and Finnish norm population, 100 children from each age group between 3-9 years. Measuring instruments: ITPA's sub-tests. Methods: factor analysis, transformation analysis. A sub-project of the ITPA-project of the Institute for Educational Research.
TIME SCHEDULE	Starting date IV/73 Probable completion date VI /74
SOURCE OF FINANCE	No separate financing
DESCRIPTORS	psycholinguistics / psycholinguistique / Psycholinguistik intellectual develepment / developpement intellectuel,

TITLE OF THE RESEARCH	vuotiailla lapsilla The effect of language and culture on the factor structure and changes of factor structure of psycholinguistic abilities of 3 to 9 years old children
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Kuusinen, Jorma, Ed.D. Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to evaluate and compare the effect of linguistic and cultural differences on the factor structure and changes in the factor structure of psycholinguistic abilities at the age of 3-9 years by means of ITPA's American and Finnish standardization material. Subjects: ITPA's American and Finnish norm population, 100 children from each age group between 3-9 years. Measuring instruments: ITPA's sub-tests. Methods: factor analysis, transformation analysis. A sub-project of the ITPA-project of the Institute for Educational Research.
TIME SCHEDULE	Starting date IV/73 Probable completion date VI /74
SOURCE OF FINANCE	No separate financing
DESCRIPTORS	psycholinguistics / psycholinguistique / Psycholinguistik intellectual develepment / developpement intellectuel, intellektuelle Entwicklung language development / developpement du langage / Sprachentwicklung

152

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS	Psykolingivististen kykyjen kehittyminen ja psykolingvistisen osamäärän pysyvyys
TITLE OF THE RESEARCH	The growth of psycholinguistic abilities and the stability of psycholinguistic quotient
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Kuusinen, Jorma, Ed.D. Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) how psycholinguistic abilities are developed, 2) whether the structure of psycholinguistic abilities is stable and 3) how stable the developmental quotient gained from the psycholinguistic ability test battery is. Subjects are appr. 100 children, 50 of whom were tested for the first time at the age of 4 and 50 at the age of 5 and both again a year after the first measurement. The measuring instrument used is the test battery of psycholinguistic abilities (ITPA), which consists of 12 sub-tests. The changes in both abilities and the ability structure are studied. Part of ITPA-project.
TIME SCHEDULE	Starting date X /72 Probable completion date __/74
SOURCE OF FINANCE	Humanities Research Council (Jorma Kuusinen)
DESCRIPTORS	child development / developpement de l'enfant / Kindesentwicklung intellectual develepment / developpement intellectuel intellektuelle Entwicklung language development / developpement du langage /

TITLE OF THE RESEARCH	The growth of psycholinguistic abilities and the stability of psycholinguistic quotient
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Kuusinen, Jorma, Ed.D. Blåfield, Lea, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) how psycholinguistic abilities are developed, 2) whether the structure of psycholinguistic abilities is stable and 3) how stable the developmental quotient gained from the psycholinguistic ability test battery is. Subjects are appr. 100 children, 50 of whom were tested for the first time at the age of 4 and 50 at the age of 5 and both again a year after the first measurement. The measuring instrument used is the test battery of psycholinguistic abilities (ITPA), which consists of 12 sub-tests. The changes in both abilities and the ability structure are studied. Part of ITPA-project.
TIME SCHEDULE	Starting date X__/72 Probable completion date __/74
SOURCE OF FINANCE	Humanities Research Council (Jorma Kuusinen)
DESCRIPTORS	child development / developpement de l'enfant / Kindesentwicklung intellectual develepment / developpement intellectuel intellektuelle Entwicklung language development / developpement du langage / Sprachentwicklung

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Peruskoululaisten minäkäsityksen pysyvyys tasokurssivalinnoissa The constancy of self-concept in comprehensive school pupils' course selections
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Jyväskylän yliopisto. Psykologian laitos Institute for Educational Research Institute of Psychology, University of Jyväskylä
RESEARCHERS	Lahti, Tuula, M.Ed.
BIBLIOGRAPHIC REFERENCE	Lahti, Tuula, Peruskoululaisten minäkäsityksen pysyvyys tasokurssivalinnoissa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 207, 1973, 23p,ISBN 951-677-201-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study, how the self-concept related to the system of sets changes in the course selection of a pupil transferring to the senior level of the comprehensive school. The subjects were about 400 pupils in the sixth grade of the comprehensive school. The guardians of the pupils were also included. The measuring instruments were questionnaires designed for the study. The same questionnaire was given to the guardian and the pupil in both measurements: it measured the pupil's self-concept and the quardian's expectations concerning the child. The self-concept became more positive on the average. Before the final selection of courses (sets) the guardian's expectations were higher than the pupil's own evaluations. According to the distributions of the selections and the changes in them there is a growing tendency towards extensive courses.
TIME SCHEDULE	Starting date XI/ 71 Date of completion X /73
SOURCE OF FINANCE	Partly National Board of Education
DESCRIPTORS	self-concept / conception de soi / Selbstbild option / matiere a option / Wahlfach teaching programme / programme d'enseignement /

COMPLETED RESEARCH TITLE OF THE RESEARCH	Peruskoululaisten minäkäsityksen pysyvyys tasokurssivalinnoissa The constancy of self-concept in comprehensive school pupils' course selections
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Jyväskylän yliopisto. Psykologian laitos Institute for Educational Research Institute of Psychology, University of Jyväskylä
RESEARCHERS	Lahti, Tuula, M.Ed.
BIBLIOGRAPHIC REFERENCE	Lahti, Tuula, Peruskoululaisten minäkäsityksen pysyvyys tasokurssivalinnoissa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 207, 1973, 23p, ISBN 951-677-201-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study, how the self-concept related to the system of sets changes in the course selection of a pupil transferring to the senior level of the comprehensive school. The subjects were about 400 pupils in the sixth grade of the comprehensive school. The guardians of the pupils were also included. The measuring instruments were questionnaires designed for the study. The same questionnaire was given to the guardian and the pupil in both measurements: it measured the pupil's self-concept and the quardian's expectations concerning the child. The self-concept became more positive on the average. Before the final selection of courses (sets) the guardian's expectations were higher than the pupil's own evaluations. According to the distributions of the selections and the changes in them there is a growing tendency towards extensive courses.
TIME SCHEDULE	Starting date XI/ 71 Date of completion X /73
SOURCE OF FINANCE	Partly National Board of Education
DESCRIPTORS	self-concept / conception de soi / Selbstbild option / matiere a option / Wahlfach teaching programme / programme d'enseignement / Unterrichtsprogramm

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Ruotsista muuttaneiden kouluikäisten lasten sopeutuminen On the adjustment of Finnish school-children returning from Sweden
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Lahti, Tuula, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be pubished in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to first make a survey of the adjustment of children returning from Sweden on the basis of guardians' evaluations, 2) to study in more detail problems connected particularly with school on the basis of teachers' evaluations, 3) to study the relationships between 'half-lingualism', adjustment and academic achievements. Subjects: initially 5-8-year-old children, later 7-16 year old children. Measuring instruments: questionnaires, evaluation procedures, direct measurements.
TIME SCHEDULE	Starting date III/73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS 156	adjustment / adaptation / Anpassung bilingualism / bilinguisme / Zweisprachigkeit migrant / migrant / Migrant

78.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Opiskelijoiden valiutumisen taustatekijöistä On the background factors of student selection and self-selection
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Leimu, Kimmo, Ed.Lic. Saari, Hannu, Ed.Lic. Oravainen, Katriina, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The aim is to make a survey of such student background factors that are connected with quantitative and qualitative selection in different phases of education. Main attention is paid to student selection and self-selection in the upper secondary school leaving stage and factors which presumably can be influenced. The background factors are grouped into student (home) variables, the school variables, and the regional level variables. The study is based on material collected in the IEA-investigation. Study of distribution and correlations based on survey research material. Study of means and analyses of regression. The subjects are samples representing 10-year-old and 14-year-old pupils and upper secondary school leavers; 98-78 schools and 1700-2300 subjects per population. Questionnaire and school achievement material. A study commissioned by the 1972 Committee on the Planning of Examinations.
TIME SCHEDULE	Starting date I / 73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education: the funds appropriated to the 1972 Committee on the Planning of Examinations
DESCRIPTORS	achievement / rendement / Leistung admission requirements / conditions d'admission / Zulassungsbedingung educational opportunity / chances d'education /

RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Opiskelijoiden valiutumisen taustatekijöistä On the background factors of student selection and self-selection
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Leimu, Kimmo, Ed.Lic. Saari, Hannu, Ed.Lic. Oravainen, Katriina, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The aim is to make a survey of such student background factors that are connected with quantitative and qualitative selection in different phases of education. Main attention is paid to student selection and self-selection in the upper secondary school leaving stage and factors which presumably can be influenced. The background factors are grouped into student (home) variables, the school variables, and the regional level variables. The study is based on material collected in the IEA-investigation. Study of distribution and correlations based on survey research material. Study of means and analyses of regression. The subjects are samples representing 10-year-old and 14-year-old pupils and upper secondary school leavers; 98-78 schools and 1700-2300 subjects per population. Questionnaire and school achievement material. A study commissioned by the 1972 Committee on the Planning of Examinations.
TIME SCHEDULE	Starting date I / 73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education: the funds appropriated to the 1972 Committee on the Planning of Examinations
DESCRIPTORS	achievement / rendement / Leistung admission requirements / conditions d'admission / Zulassungsbedingung educational opportunity / chances d'education / Bildungschance

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kielitiede ja äidinkielen opetus Linguistics and the mother tongue teaching
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Saksan kielen laitos Institute of German Philology, University of Jyväskylä
RESEARCHERS	Leiwo, Matti, Ph. Lic.
BIBLIOGRAPHIC REFERENCE	Leiwo, Matti, Kielitiede ja äidinkielen opetus. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 179. 1973. 29p. ISBN 951-677-098-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report is meant primarily for university students and teachers of the mother tongue. It deals with the differences in linguistic performance and codes, emphasizing their dependence on the communicative situation. Since perhaps the most essential prerequisite of effecient and varied communication is the explicit conveying of meaning by means of varied sentence patterns, the author analyzes methods which might be used in developing this skill in primary education. Of great importance is to emphasize the meaning of oral communication as well as the variety and naturalness of speech situations: they are the best guarantee of linguistic variety. Suitable working methods are e.g. telephone games. The article also deals with the significance of transformational theory for the teaching of language arts on the intermediate and upper levels from the point of view of the objectives of L 1 and L 2 teaching.
TIME SCHEDULE	Starting date 2/72 Date of completion 3/73
SOURCE OF FINANCE	
DESCRIPTORS	linguistics / linguistique / Linguistik mother tongue / langue maternelle / Muttersprache grammar / grammaire / Grammatik

COMPLETED RESEARCH TITLE OF THE RESEARCH	Kielitiede ja äidinkielen opetus Linguistics and the mother tongue teaching
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Saksan kielen laitos Institute of German Philology, University of Jyväskylä
RESEARCHERS	Leiwo, Matti, Ph. Lic.
BIBLIOGRAPHIC REFERENCE	Leiwo, Matti, Kielitiede ja äidinkielen opetus. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 179. 1973. 29p. ISBN 951-677-098-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report is meant primarily for university students and teachers of the mother tongue. It deals with the differences in linguistic performance and codes, emphasizing their dependence on the communicative situation. Since perhaps the most essential prerequisite of effecient and varied communication is the explicit conveying of meaning by means of varied sentence patterns, the author analyzes methods which might be used in developing this skill in primary education. Of great importance is to emphasize the meaning of oral communication as well as the variety and naturalness of speech situations: they are the best guarantee of linguistic variety. Suitable working methods are e.g. telephone games. The article also deals with the significance of transformational theory for the teaching of language arts on the intermediate and upper levels from the point of view of the objectives of L 1 and L 2 teaching.
TIME SCHEDULE	Starting date 2/72 Date of completion 3/73
SOURCE OF FINANCE	
DESCRIPTORS	linguistics / linguistique / Linguistik mother tongue / langue maternelle / Muttersprache grammar / grammaire / Grammatik curriculum / programme d'etudes / Bildungsplan

80.

161

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Lasten virikeympäristön kulttuurisesta eriarvoisuudesta On the cultural inequality in children's stimulus environment
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Liikanen, Pirkko, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Liikanen, Pirkko, Lasten virikeympäristön kulttuurisesta eriarvoisuudesta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 198. 1973. 243p. ISBN 951-677-156-4
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This report describes the cultural stimuli of the growing environment of a Finnish pre-school child, its stimulus richness and deprivation, and studies the structure of these cultural stimuli. A survey is also made of the influence that home background variables, economic, social and educational factors, size of family and the child's sex have on the cultural stimuli of the growing environment. These stimuli were grouped into four factors: the factors of (1) stimulus-rich cultural environment (status), (2) the development of children's interest in art and their creative activity, (3) social interaction and (4) general cultural motivation. The child's sex did not have any connection with cultural stimuli. Although the educational, social and economic factors of the home accounted for 4-40 % of the variation in cultural stimuli, stimulus-rich and deprived homes were found in groups of both higher and lower social status, education and income. Cultural deprivation appeared most clearly as parents' lack of interest in art and creative activity and as inadequate development of art habits.
TIME SCHEDULE	Starting date IX/70 Date of completion X/73
SOURCE OF FINANCE	A grant from the Finnish Cultural Foundation 1970, 1971, 1972 Nyyssönens grant 1971
DESCRIPTORS	pre-school child/ enfant d'age pre scholaire / Vorschulkind cultural environment / milieu culturel / kulturelles Milieu; art education / education artistique /

COMPLETED RESEARCH TITLE OF THE RESEARCH	Lasten virikeympäristön kulttuurisesta eriarvoisuudesta On the cultural inequality in children's stimulus environment
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Liikanen, Pirkko, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Liikanen, Pirkko, Lasten virikeympäristön kulttuurisesta eriarvoisuudesta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 198. 1973. 243p. ISBN 951-677-156-4
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This report describes the cultural stimuli of the growing environment of a Finnish pre-school child, its stimulus richness and deprivation, and studies the structure of these cultural stimuli. A survey is also made of the influence that home background variables, economic, social and educational factors, size of family and the child's sex have on the cultural stimuli of the growing environment. These stimuli were grouped into four factors: the factors of (1) stimulus-rich cultural environment (status), (2) the development of children's interest in art and their creative activity, (3) social interaction and (4) general cultural motivation. The child's sex did not have any connection with cultural stimuli. Although the educational, social and economic factors of the home accounted for 4-40 % of the variation in cultural stimuli, stimulus-rich and deprived homes were found in groups of both higher and lower social status, education and income. Cultural deprivation appeared most clearly as parents' lack of interest in art and creative activity and as inadequate development of art habits.
TIME SCHEDULE	Starting date IX/70 Date of completion X/73
SOURCE OF FINANCE	A grant from the Finnish Cultural Foundation 1970, 1971, 1972 Nyyssönens grant 1971
DESCRIPTORS	pre-school child/ enfant d'age pre scholaire / Vorschulkind cultural environment / milieu culturel / kulturelles Milieu: art education / education artistique / Kunsterziehung

163

COUNTRY Finland

DATE December 1973

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH Korkeakoulujen hallintohenkilökunnan mitoittamistutkimus

A study on the need of administrative personnel in higher education

ORGANISATION/INSTITUTE Kasvatustieteiden tutkimuslaitos

Institute for Educational Research

RESEARCHERS Lillberg, Juhani, M.Ed.

BIBLIOGRAPHIC REFERENCE A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä

BACKGROUND, AIMS

SAMPLE

METHODS

The aim is to collect and analyze statistics and other material related to the need of personnel in higher education and to try to define the norms for the need of other than teaching and research personnel in higher education. The basis for the study is the proposal made by the Committee for the revision of the legislation for the development of higher education (Committee Report 1972: B 96).

The measuring problem will be examined separately in different branches of study and at different functional levels of higher education, and attention will at the same time be paid to the reform plans for higher education which are under discussion. As research material will be used national and international statistics, the working plans of institutions of higher education and as far as possible information from the personnel register in higher education which is being planned, results of the planning and budgeting system and other eventual available written material.

A sub-project of the research project on the structural development of higher education.

TIME SCHEDULE Starting date X / 73 Probable completion date VII/74

SOURCE OF FINANCE Ministry of Education

DESCRIPTORS

administrative structure / structure administrative
Verwaltungsstruktur
administrative personnel / personnel administratif/
Verwaltungspersonal
planning of education / planification de l'educatio

RESEARCH IN PROGRESS

TITLE OF THE RESEARCH	Korkeakoulujen hallintohenkilökunnan mitoittamistutkimus A study on the need of administrative personnel in higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Lillberg, Juhani, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The aim is to collect and analyze statistics and other material related to the need of personnel in higher education and to try to define the norms for the need of other than teaching and research personnel in higher education. The basis for the study is the proposal made by the Committee for the revision of the legislation for the development of higher education (Committee Report 1972: B 96). The measuring problem will be examined separately in different branches of study and at different functional levels of higher education, and attention will at the same time be paid to the reform plans for higher education which are under discussion. As research material will be used national and international statistics, the working plans of institutions of higher education and as far as possible information from the personnel register in higher education which is being planned, results of the planning and budgeting system and other eventual available written material. A sub-project of the research project on the structural development of higher education.
TIME SCHEDULE	Starting date X / 73 Probable completion date VII/74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	administrative structure / structure administrative / Verwaltungsstruktur administrative personnel / personnel administratif/ Verwaltungspersonal planning of education / planification de l'education/ Bildungsplanung

165

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset kokeet lukuvuonna 1972-1973: äidinkieli Comprehensive school achievement tests in 1972-1973: language arts
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Linnakylä, Pirjo, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to develop evaluation methods for the subareas of the native language (language knowledge, reading, listening, writing); to follow the achievement of objectives in the different subareas of the native language; to increase knowledge of students and students' realistic self-evaluation; to assist in the selection of sets; to make evaluation more homogenous. The subjects are pupils in the fourth, sixth and ninth grades in all communes were the comprehensive school experimentation is carried out (Total = 4361 pupils) Measuring instruments: multiple-choice and reproduction items; also questionnairies are used. The method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date X /72 Probable completion date _/_
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation composition / composition litteraire / Aufsatz mother tongue / langue maternelle / Muttersprache curriculum / programme d'etudes / Bildungsplan

TITLE OF THE RESEARCH	Comprehensive school achievement tests in 1972-1973: language arts
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Linnakylä, Pirjo, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to develop evaluation methods for the subareas of the native language (language knowledge, reading, listening, writing); to follow the achievement of objectives in the different subareas of the native language; to increase knowledge of students and students' realistic self-evaluation; to assist in the selection of sets; to make evaluation more homogenous. The subjects are pupils in the fourth, sixth and ninth grades in all communes were the comprehensive school experimentation is carried out (Total = 4361 pupils) Measuring instruments: multiple-choice and reproduction items; also questionnairies are used. The method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date X/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation composition / composition litteraire / Aufsatz mother tongue / langue maternelle / Muttersprache curriculum / programme d'etudes / Bildungsplan

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Korkeakoulujen alihallinnon yksikköratkaisututkimus Investigation of department administration at college and universities: a unit plan
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Marin, Marjatta, Ass.prof. Jalkanen, Hannu, B.A. Määttä, Pentti, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study what are the units within which the activity and administration in higher education could be arranged in an adequate and practicable manner.
SAMPLE	The existing information of different optimal unit sizes in social sciences.
METHODS	A part of the study on the reform of the administration in higher education.
TIME SCHEDULE	Starting date VI /73 Probable completion date __/74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	administrative structure / structure administrative / Verwaltungsstruktur administration of education / administration de l'enseignement/ Bildungsverwaltung

RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Korkeakoulujen alihallinnon yksikköratkaisututkimus Investigation of department administration at college and universities: a unit plan
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Marin, Marjatta, Ass.prof. Jalkanen, Hannu, B.A. Määttä, Pentti, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study what are the units within which the activity and administration in higher education could be arranged in an adequate and practicable manner.
SAMPLE	The existing information of different optimal unit sizes in social sciences.
METHODS	A part of the study on the reform of the administration in higher education.
TIME SCHEDULE	Starting date VI/73 Probable completion date __/74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	administrative structure / structure administrative / Verwaltungsstruktur administration of education / administration de l'enseignement/ Bildungsverwaltung university institute / institut d'universite / Hochschulinstitut

84.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Asenteista ja asennemuutoksista lukuvuoden aikana osittaista periodijärjestelmää toteuttaneessa kokeiluperuskoulussa On attitudes and attitude changes during one school year in an experimental comprehensive school in which the periodical timetable was partially applied
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Mäki-Rahkola, Marita, B.A.
BIBLIOGRAPHIC REFERENCE	Mäki-Rahkola, Marita, Asenteista ja asennemuutoksista lukuvuoden aikana osittaista periodijärjestelmää toteuttaneessa kokeiluperuskoulussa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 200, 1973, 40p, ISBN 951-677-159-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study the relation between 'periodical timetable' and students' attitudes towards school, periodical reading and concentrated study of some school subjects. The initial measurement took place in spring 1971, the final measurement was in spring 1972, when periodical timetables had been followed for one school year. The subjects were 233 students in the 8th and 9th grades. Attitudes towards each particular object were positive irrespective of class level, school success or set. Attitude changes appeared to the same extent in all subgroups, and they generally showed a declining tendency, except for chemistry and periodical reading.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	attitude change / changement d'attitude / Einstellungsänderung work attitude / attitude envers le travail / Arbeits-

TITLE OF THE RESEARCH	periodijärjestelmää toteuttaneessa kokeiluperuskoulussa On attitudes and attitude changes during one school year in an experimental comprehensive school in which the periodical timetable was partially applied
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Mäki-Rahkola, Marita, B.A.
BIBLIOGRAPHIC REFERENCE	Mäki-Rahkola, Marita, Asenteista ja asennemuutoksista lukuvuoden aikana osittaista periodijärjestelmää toteuttaneessa kokeiluperuskoulussa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 200, 1973, 40p, ISBN 951-677-159-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study the relation between 'periodical timetable' and students' attitudes towards school, periodical reading and concentrated study of some school subjects. The initial measurement took place in spring 1971, the final measurement was in spring 1972, when periodical timetables had been followed for one school year. The subjects were 233 students in the 8th and 9th grades. Attitudes towards each particular object were positive irrespective of class level, school success or set. Attitude changes appeared to the same extent in all subgroups, and they generally showed a declining tendency, except for chemistry and periodical reading.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	attitude change / changement d'attitude / Einstellungsänderung work attitude / attitude envers le travail / Arbeitshaltung: time-table / emploi du temps / Stundentafel experimental school / ecole experimentale /

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulumotivaatiossa tapahtuvista muutoksista kahden periodin aikana Changes in school motivation during two study periods
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Mäki-Rahkola, Marita , B. A.
BIBLIOGRAPHIC REFERENCE	Mäki-Rahkola, Marita, Koulumotivaatiossa tapahtuvista muutoksista kahden periodin aikana. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 189. 1973. 23 p. ISBN 951-677-136-X
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the investigation was to discover the changes in students' school motivation during two study periods (1 period = 6 week) within a concentrated learning system. Initial measurements were carried out in the 8th and 9th forms of Hankasalmi experimental comprehensive school in the middle of the second period, the final measurement took place at the end of the third period. The attitude towards concepts describing general school achievement was very positive, although attitudes declined sharply. The attitude towards concepts describing school work was neutral and there were no changes. The attitude towards grade repetition was extremely negative during the whole investigation, although attitudes improved significantly.
TIME SCHEDULE	Starting date X / 71 Date of completion V / 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	motivation / motivation / Motivation attitude change / changement d'attitude / Einstellungsänderung experimental school / ecole experimentale / Versuchs-

COMPLETED RESEARCH TITLE OF THE RESEARCH	Koulumotivaatiossa tapahtuvista muutoksista kahden periodin aikana Changes in school motivation during two study periods
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Mäki-Rahkola, Marita , B. A.
BIBLIOGRAPHIC REFERENCE	Mäki-Rahkola, Marita, Koulumotivaatiossa tapahtuvista muutoksista kahden periodin aikana. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 189. 1973. 23 p. ISBN 951-677-136-X
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the investigation was to discover the changes in students' school motivation during two study periods (1 period = 6 week) within a concentrated learning system. Initial measurements were carried out in the 8th and 9th forms of Hankasalmi experimental comprehensive school in the middle of the second period, the final measurement took place at the end of the third period. The attitude towards concepts describing general school achievement was very positive, although attitudes declined sharply. The attitude towards concepts describing school work was neutral and there were no changes. The attitude towards grade repetition was extremely negative during the whole investigation, although attitudes improved significantly.
TIME SCHEDULE	Starting date X / 71 Date of completion V / 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	motivation / motivation / Motivation attitude change / changement d'attitude / Einstellungsänderung experimental school / ecole experimentale / Versuchsschule: time-table / emploi du temps / Stundentafel

86.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Oppilaiden koulumotivaatiossa tapahtuvista muutoksista lukuvuoden aikana Changes in the pupils' school motivation during a school year
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Mäki-Rahkola, Marita, B. A.
BIBLIOGRAPHIC REFERENCE	Mäki-Rahkola, Marita, Oppilaiden koulumotivaatiossa tapahtuvista muutoksista lukuvuoden aikana. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 199. 1973. 33p. ISBN 951-677-158-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study what changes take place in the school motivation of groups studying in accordance with a normal timetable (the same weekly programme during the two terms) and a "periodical" timetable (the school year is divided into "period" units consisting of six weeks and incorporating alternating periods of stepped-up study of some subjects with little of no study of other subjects). The subjects were c. 350 pupils in the 8th and 9th forms of some experimental comprehensive schools. The mode of studying did not affect motivation, since attitudes developed in the same direction in both groups. School motivation was high during the whole school year, although there was some decline in attitudes.
TIME SCHEDULE	Starting date V / 71 Date of completion V /73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	motivation / motivation / Motivation attitude change / changement d'attitude / Einstellungsünderung experimental school / ecole experimentale /

vuoden aikana

TITLE OF THE RESEARCH	Changes in the pupils' school motivation during a school year
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Mäki-Rahkola, Marita, B. A.
BIBLIOGRAPHIC REFERENCE	Mäki-Rahkola, Marita, Oppilaiden koulumotivaatiossa tapahtuvista muutoksista lukuvuoden aikana. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 199. 1973. 33p. ISBN 951-677-158-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose was to study what changes take place in the school motivation of groups studying in accordance with a normal timetable (the same weekly programme during the two terms) and a "periodical" timetable (the school year is divided into "period" units consisting of six weeks and incorporating alternating periods of stepped-up study of some subjects with little of no study of other subjects). The subjects were c. 350 pupils in the 8th and 9th forms of some experimental comprehensive schools. The mode of studying did not affect motivation, since attitudes developed in the same direction in both groups. School motivation was high during the whole school year, although there was some decline in attitudes.
TIME SCHEDULE	Starting date V / 71 Date of completion V /73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	motivation / motivation / Motivation attitude change / changement d'attitude / Einstellungsänderung experimental school / ecole experimentale / Versuchsschule: time-table / emploi du temps / Stundentafel

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Korkeakoulujen muun kuin tutkimus- ja opetushenkilökunnan asema The position of nonprofessional staff in institutes of higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Määttä, Pentti, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to make a survey of the quantitative and structural development of nonprofessional staff 2) to make a survey of the background, turnover, job-satisfaction and educational requirements of nonprofessional staff 3) make a survey of the possibility and desire to influence decisions and the intellectual activity of nonprofessional staff in questions related to work and higher education in a more general sense. 1) The analysis of statistical material 2) an interview concerning 205 heads of administrative units from 17 institutes of higher education 3) a mail survey concerning 250-300 administrative officials in six institutes of higher education. A part of the study on the reform of the administration in higher education.
TIME SCHEDULE	Starting date III/72 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	administrative structure / structure administrative / Verwaltungsstruktur higher education / enseignement superieur / Hochschul

TITLE OF THE RESEARCH	asema The position of nonprofessional staff in institutes of higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Määttä, Pentti, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Helsinki
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to make a survey of the quantitative and structural development of nonprofessional staff 2) to make a survey of the background, turnover, job-satisfaction and educational requirements of nonprofessional staff 3) make a survey of the possibility and desire to influence decisions and the intellectual activity of nonprofessional staff in questions related to work and higher education in a more general sense. 1) The analysis of statistical material 2) an interview concerning 205 heads of administrative units from 17 institutes of higher education 3) a mail survey concerning 250-300 administrative officials in six institutes of higher education. A part of the study on the reform of the administration in higher education.
TIME SCHEDULE	Starting date III/72 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	administrative structure / structure administrative / Verwaltungsstruktur higher education / enseignement superieur / Hochschu bildung technical personnel / personnel technique / technisches Personal

88.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Tieteiden välinen koulurakennustutkimus. Pedagoginen tavoite-, opetusmuoto- ja tilatutkimus Interdisciplinary study of school design. Pedagogical research on aims, teaching methods and room arrangements I
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Niskanen, Erkki, Ed.D.
BIBLIOGRAPHIC REFERENCE	Niskanen, Erkki, Tieteiden välinen koulurakennustutkimus Pedagoginen tavoite-, opetusmuoto- ja tilatutkimus. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 174. 1973. 52p. ISBN 951-677-088-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	In this study the author presents a general plan for designing schools. The plan is based on research carried out by representatives of several fields of science. The research is divided into a pedagogical part, an analysis of values and a technical and financial study. The research starts from the aims of the pedagogical study and proceeds through a value analysis to room arrangement plans, which supplemented by different technical and financial alternatives form a basis for concrete planning of schools. The research reports the results from the evaluations regarding the achievement of aims by means of different teaching methods and the suitability of room arrangements for those methods. The results of the study indicate that for the achievement of the aim group work and individual work have proved to be good and large group instruction not so good. In classroom instruction all aims are reached to some extent but the results are not so good. The evaluation of room arrangement seems to show that special working areas separated in different ways are most suitable for various teaching methods.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	architecture / architecture / Architektur building / batiment / Gebäude aims of education / finalite de l'education / Er-

COMPLETED RESEARCH TITLE OF THE RESEARCH	Tieteiden välinen koulurakennustutkimus. Pedagoginen tavoite-, opetusmuoto- ja tilatutkimus Interdisciplinary study of school design. Pedagogical research on aims, teaching methods and room arrangements I
ORGANISATION/INSTITUTE	Helsingin yliopisto. Kasvatustieteen laitos Institute of Education, University of Helsinki
RESEARCHERS	Niskanen, Erkki, Ed.D.
BIBLIOGRAPHIC REFERENCE	Niskanen, Erkki, Tieteiden välinen koulurakennustutkimus Pedagoginen tavoite-, opetusmuoto- ja tilatutkimus. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 174. 1973. 52p. ISBN 951-677-088-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	In this study the author presents a general plan for designing schools. The plan is based on research carried out by representatives of several fields of science. The research is divided into a pedagogical part, an analysis of values and a technical and financial study. The research starts from the aims of the pedagogical study and proceeds through a value analysis to room arrangement plans, which supplemented by different technical and financial alternatives form a basis for concrete planning of schools. The research reports the results from the evaluations regarding the achievement of aims by means of different teaching methods and the suitability of room arrangements for those methods. The results of the study indicate that for the achievement of the aim group work and individual work have proved to be good and large group instruction not so good. In classroom instruction all aims are reached to some extent but the results are not so good. The evaluation of room arrangement seems to show that special working areas separated in different ways are most suitable for various teaching methods.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	architecture / architecture / Architektur building / batiment / Gebäude aims of education / finalite de l'education / Erziehungsziel

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Koulutusindikaattoriprojekti Project on educational indicators
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Olkinuora, Erkki, M.A. Perkki, Lauri, Research assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to draw up an indicator system to help the quantitative planning of education, to describe the educational stock and to develop methods of description.
SAMPLE	The basic material consists of education statistics and census information collected by the Central Statistical Office.
METHODS	The framework is based partly on the report of a section of the Council of Economics (Quality of life) and other related documents. Methodical models are from the reports of OECD's working party on social indicators and the working party on educational indicators, and the Swedish Låginkomstutredningen-study. A separate study.
TIME SCHEDULE	Starting date IX/ 72 Probable completion date __/__
SOURCE OF FINANCE	A study commissioned by the Planning Secreteriat of the Ministry of Education
DESCRIPTORS	evaluation / evaluation / Evaluation system of education / systeme d'enseignement / Bildungswesen educational opportunity / chances d'education / Bildungschance; national planning / planification natio

TITLE OF THE RESEARCH	Project on educational indicators
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Olkinuora, Erkki, M.A. Perkki, Lauri, Research assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to draw up an indicator system to help the quantitative planning of education, to describe the educational stock and to develop methods of description.
SAMPLE	The basic material consists of education statistics and census information collected by the Central Statistical Office.
METHODS	The framework is based partly on the report of a section of the Council of Economics (Quality of life) and other related documents. Methodical models are from the reports of OECD's working party on social indicators and the working party on educational indicators, and the Swedish Låginkomstutredningen-study. A separate study.
TIME SCHEDULE	Starting date IX/ 72 Probable completion date __/__
SOURCE OF FINANCE	A study commissioned by the Planning Secreteriat of the Ministry of Education
DESCRIPTORS	evaluation / evaluation / Evaluation system of education / systeme d'enseignement / Bildungswesen educational opportunity / chances d'education / Bildungschance: national planning / planification nationale / nationale Planung

90.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Lukion yhteiset matematiikan kokeet lukuvuonna 1972-1973 Achievement testing in mathematics in the senior secondary school in 1972-1973
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pasanen, Tauno, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The purpose of the study is to plan and develop test items related to different subareas of mathematics, their production and the arrangement of them into achievement tests in the upper secondary school.
SAMPLE	The subjects are pupils in the sixth and eighth grades taking the long course in mathematics.
METHODS	The achievement tests are true-false or multiple-choice items. Method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date __/73 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mathematics / mathematiques / Mathematik curriculum / programme d'etudes / Bildungsplan

TITLE OF THE RESEARCH	Achievement testing in mathematics in the senior secondary school in 1972-1973
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pasanen, Tauno, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The purpose of the study is to plan and develop test items related to different subareas of mathematics, their production and the arrangement of them into achievement tests in the upper secondary school.
SAMPLE	The subjects are pupils in the sixth and eighth grades taking the long course in mathematics.
METHODS	The achievement tests are true-false or multiple-choice items. Method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date __/_73 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mathematics / mathematiques / Mathematik curriculum / programme d'etudes / Bildungsplan

183

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun yhteiset matematiikan kokeet lukuvuonna 1972-1973 Achievement testing in comprehensive school in 1972-1973
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pasanen, Tauno, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The purpose of the study is to plan and develop test items related to different subareas of mathematics, their production arrangement into achievement tests in the comprehensive school.
SAMPLE	The subjects are pupils in the sixth, seventh, and ninth grades of the experimental comprehensive schools and the fifth grade of some secondary schools and the eighth and ninth grades of primary schools. The achievement tests consist of multiple-choice items.
METHODS	Method of analysis: frequency, mean and correlation studies A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date __/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mathematics / mathematique / Mathematik curriculum / programme d'etudes / Bildungsplan

183A

TITLE OF THE RESEARCH	
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pasanen, Tauno, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to plan and develop test items related to different subareas of mathematics, their production arrangement into achievement tests in the comprehensive school. The subjects are pupils in the sixth, seventh, and ninth grades of the experimental comprehensive schools and the fifth grade of some secondary schools and the eighth and ninth grades of primary schools. The achievement tests consist of multiple-choice items. Method of analysis: frequency, mean and correlation studies A subproject of the Department of Evaluation
TIME SCHEDULE	Starting date __/72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mathematics / mathematique / Mathematik curriculum / programme d'etudes / Bildungsplan 183A

92.

181

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRES TITLE OF THE RESEARCH	Peruskoulun eriyttämissuunnitelman analyysi Analysis of the planned educational differentiation in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Piippo, Teuvo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to describe the planned objectives of differentiation and other grounds, conditions and measures connected with it and their anticipated effects for the development of evaluation plans and instructions given for their realisation. The analysis of the plans forms a basis for the evaluation of their realisation.
SAMPLE	Content analysis.
METHODS	A part of a differentiation project.
TIME SCHEDULE	Starting date I / 72 Probable completion date III/ 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel option / matiere a option / Wahlfach individualized teaching / enseignement individualise /

TITLE OF THE RESEARCH	Analysis of the planned educational differentiation in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Piippo, Teuvo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to describe the planned objectives of differentiation and other grounds, conditions and measures connected with it and their anticipated effects for the development of evaluation plans and instructions given for their realisation. The analysis of the plans forms a basis for the evaluation of their realisation. Content analysis. A part of a differentiation project.
TIME SCHEDULE	Starting date I / 72 Probable completion date III/ 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel option / matiere a option / Wahlfach individualized teaching / enseignement individualise / individualisierender Unterricht curriculum / programme d'etudes / Bildungsplan

186

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun eriyttämissuunnitelman toteutumisen evaluointi Evaluation of the implementation of the planned educational differentiation in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Piippo, Teuvo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study how the scheme for differentiation in the comprehensive school, especially in grades IV-VI on the junior level, works in practice and how it promotes the realisation of objectives set for the comprehensive school and what deficiencies or difficulties there are in the implementation of the plan.
SAMPLE	Population: pupils in the comprehensive school, mainly grades IV-VI on the junior level, teachers and principals.
METHODS	Measuring instruments: questionnaires, school achievement tests, ability and personality scales. Comparison of the plan and observations. A part of a differentiation project.
TIME SCHEDULE	Starting date I / 73 Probable completion date XII/ 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel grouping / groupement / Gruppierung evaluation / evaluation / Evaluation individualized teaching / enseignement individualise /

RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun eriyttämissuunnitelman toteutumisen evaluointi Evaluation of the implementation of the planned educational differentiation in the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Piippo, Teuvo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study how the scheme for differentiation in the comprehensive school, especially in grades IV-VI on the junior level, works in practice and how it promotes the realisation of objectives set for the comprehensive school and what deficiencies or difficulties there are in the implementation of the plan. Population: pupils in the comprehensive school, mainly grades IV-VI on the junior level, teachers and principals. Measuring instruments: questionnaires, school achievement tests, ability and personality scales. Comparison of the plan and observations. A part of a differentiation project.
TIME SCHEDULE	Starting date I / 73 Probable completion date XII/ 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel grouping / groupement / Gruppierung evaluation / evaluation / Evaluation individualized teaching / enseignement individualise / individualisierender Unterricht

188

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Ryhmätyö opetuksessa: Mitä ryhmätyö on ja mihin se sopii Group work as a teaching method: characteristics and possible uses
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Piippo, Teuvo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Piippo, Teuvo, Ryhmätyö opetuksessa: Mitä ryhmätyö on ja mihin se sopii. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 176. 1973. 19p.ISBN 951-677-090-8
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The report gives a brief review of the forms and uses of group work on the basis of a few studies dealing with group work and some textbooks on didactics. Suitability is assessed by using as criteria the objectives of general education and the general didactic principles of teaching. The suitability of group work for different subjects and learning tasks is also treated to some extent. As a conclusion it is suggested that group work primarily contributes to the attainment of the formal objectives of cognitive education and the objectives of social education.
TIME SCHEDULE	Starting date VI / 71 Date of completion I / 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS 188A	evaluation / evaluation / Evaluation group work / travail par equipe / Gruppenarbeit teaching method / methode pedagogique / Unterrichtsmethode

	possible uses
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Piippo, Teuvo, Ed.Lic.
BIBLIOGRAPHIC REFERENCE	Piippo, Teuvo, Ryhmätyö opetuksessa: Mitä ryhmätyö on ja mihin se sopii. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 176. 1973. 19p.ISBN 951-677-090-8
BACKGROUND, AIMS	The report gives a brief review of the forms and uses of group work on the basis of a few studies dealing with group work and some textbooks on didactics. Suitability is assessed by using as criteria the objectives of general education and the general didactic principles of teaching. The suitability of group work for different subjects and learning tasks is also treated to some extent. As a conclusion it is suggested that group work primarily contributes to the attainment of the formal objectives of cognitive education and the objectives of social education.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date VI/71 Date of completion I/73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS 188A	evaluation / evaluation / Evaluation group work / travail par equipe / Gruppenarbeit teaching method / methode pedagogique / Unterrichtsmethode

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Erittely opetuskäyttöön tarkoitettujen televisio-ohjelmien tuottamisesta A review of the production of educational TV-programs
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pirttimäki, Reijo, B. A. Silvennoinen, Martti, M. A.
BIBLIOGRAPHIC REFERENCE	Pirttimäki, Reijo, Silvennoinen, Martti, Erittely opetuskäyttöön tarkoitettujen televisio-ohjelmien tuottamisesta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 191. 973. 115 p. ISBN 951-677-141-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The emphasis in the research project's work was on definin the effects on learning of the length and staging of television programmes used in higher education. Independen production of television programmes was necessary for carrying out the investigation. On the basis of the experiment it is evident that the production of televisio programmes is secured by experience gained through trainin within industry. The technical level of production equipme primarily influences the possibilities of visual realizati Specifying the pedagogic qualities of the teaching program and ensuring their visual versatility demands lengthy plan and knowledge of teaching objectives. The teaching staff cannot be responsible for the production of the programmes and the planning of their contents, but separate technical staff is needed if the intention is to carry out programme production on a larger scale in higher education. The results of the experiment can be applied in the organizing of demonstrative teaching and programme production by sma television installations.
TIME SCHEDULE	Starting date VIII/ 71 Date of completion VI / 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational television / television d'enseigneme Schulfernsehen closed-circuit television / television en circui ferme / internes Fernsehen

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pirttimäki, Reijo, B. A. Silvennoinen, Martti, M. A.
BIBLIOGRAPHIC REFERENCE	Pirttimäki, Reijo, Silvennoinen, Martti, Erittely opetuskäyttöön tarkoitettujen televisio-ohjelmien tuottamisesta. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 191. 1973. 115 p. ISBN 951-677-141-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The emphasis in the research project's work was on defining the effects on learning of the length and staging of television programmes used in higher education. Independent production of television programmes was necessary for carrying out the investigation. On the basis of the experiment it is evident that the production of television programmes is secured by experience gained through training within industry. The technical level of production equipment primarily influences the possibilities of visual realization. Specifying the pedagogic qualities of the teaching programmes and ensuring their visual versatility demands lengthy planning and knowledge of teaching objectives. The teaching staff cannot be responsible for the production of the programmes and the planning of their contents, but separate technical staff is needed if the intention is to carry out programme production on a larger scale in higher education. The results of the experiment can be applied in the organizing of demonstrative teaching and programme production by small television installations.
TIME SCHEDULE	Starting date VIII / 71 Date of completion VI / 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	educational television / television d'enseignement / Schulfernsehen closed-circuit television / television en circuit ferme / internes Fernsehen television programme / programme de television

COUNTRY
Finland

DATE
December 1973

COMPLETED RESEARCH

TITLE OF THE RESEARCH
Kirjallisesti ja televisio-ohjelmina tarjotun ärsykemateriaalin pituuden ja jaksotuksen vaikutuksista oppimistuloksiin korkeakouluopiskelussa
On the effects on learning of the length and grading of stimulus material offered in writing and in the form of television programmes

ORGANISATION/INSTITUTE
Kasvatustieteiden tutkimuslaitos

Institute for Educational Research

RESEARCHERS
Pitkänen, Pentti, Ed.D.
Peisa, Seppo, M.Ed.
Salmela, Ritva, M.Ed.
Sikanen, Timo, M.Ed.
Taipale, Hannu, B.A.

BIBLIOGRAPHIC REFERENCE
Pitkänen, Pentti & Peisa, Seppo & Salmela, Ritva & Sikanen, Timo & Taipale, Hannu, Kirjallisesti ja televisio-ohjelmina tarjotun ärsykemateriaalin pituuden ja jaksotuksen vaikutuksista oppimistuloksiin korkeakouluopiskelussa. Jyväskylän yliopisto, Kasvatustieteiden tutkimuslaitos. Report 193. 1973. 100p.
ISBN 951-677-143-2

BACKGROUND, AIMS

SAMPLE

METHODS

MAIN FINDINGS

The purpose of the investigation was to ascertain what would be, from the point of view of learning results, an optimal amount of teaching stimuli to be given to students in relation to students' independent, active response during a lesson (study period). An attempt was made to develop the comprehension and acquisition of information as well as students' planning skill and critical thinking during the study periods. It seemed that most suitable for halfhour teaching programmes were programmes involving only the carrying out of tasks (fully reaction-oriented), programmes based entirely on TV-viewing (fully stimulus-oriented) or programmes involving alternation of stimulus presentation and response, so that two thirds is used for presenting teaching material and one third for response. The acquisition of information is improved on the one hand by highly stimulus-oriented programmes (nearly 30 minutes long) or reactioncentered programmes, which include penetrating TV-sections. Medium long and longer programmes (containing an equal amount of response and TV-viewing) seemed to be more suitable for promoting ideas and critical responses than short programmes.

TIME SCHEDULE
Starting date VIII/71 Date of completion VII/73

SOURCE OF FINANCE
Ministry of Education

DESCRIPTORS
higher education / enseignement superieur / Hochschulbildung
television programme / programme de television / Fernsehprogramm
achievement / rendement / Leistung

	stimulus material offered in writing and in the form of television programmes
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Pitkänen, Pentti, Ed.D. Peisa, Seppo, M.Ed. Salmela, Ritva, M.Ed. Sikanen, Timo, M.Ed. Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	Pitkänen, Pentti & Peisa, Seppo & Salmela, Ritva & Sikanen, Timo & Taipale, Hannu, Kirjallisesti ja televisio-ohjelmina tarjotun ärsykemateriaalin pituuden ja jaksotuksen vaikutuksista oppimistuloksiin korkeakouluopiskelussa. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 193. 1973. 100p. ISBN 951-677-143-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of the investigation was to ascertain what would be, from the point of view of learning results, an optimal amount of teaching stimuli to be given to students in relation to students' independent, active response during a lesson (study period). An attempt was made to develop the comprehension and acquisition of information as well as students' planning skill and critical thinking during the study periods. It seemed that most suitable for halfhour teaching programmes were programmes involving only the carrying out of tasks (fully reaction-oriented), programmes based entirely on TV-viewing (fully stimulus-oriented) or programmes involving alternation of stimulus presentation and response, so that two thirds is used for presenting teaching material and one third for response. The acquisition of information is improved on the one hand by highly stimulus-oriented programmes (nearly 30 minutes long) or reactioncentered programmes, which include penetrating TV-sections. Medium long and longer programmes (containing an equal amount of response and TV-viewing) seemed to be more suitable for promoting ideas and critical responses than short programmes.
TIME SCHEDULE	Starting date VIII/71 Date of completion VII/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	higher education / enseignement superieur / Hochschulbildung television programme / programme de television / Fernsehprogramm achievement / rendement / Leistung evaluation / evaluation / Evaluation

193

COUNTRY	Finland
DATE	December 1973 Finland
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Tukiopetustutkimus A study on remedial instruction
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Puro, Juhani, Ed.Lic. Koponen, Arvo, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is 1) to analyze the concept of remedial instruction from different points of departure, 2) to analyze the functions of remedial instruction in various stages of education and learning and 3) to try to make it possible to give some recommendations based on solid theoretical data for the arrangement of remedial instruction. 193 In the main a theoretical study. Project on remedial instruction.
TIME SCHEDULE	Starting date I/73 Probable completion date XII/74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	remedial teaching / enseignement de rattrapage / Förderunterricht learning difficulty / trouble de l'apprentissage / Lernschwierigkeit

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Puro, Juhani, Ed.Lic. Koponen, Arvo, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is 1) to analyze the concept of remedial instruction from different points of departure, 2) to analyze the functions of remedial instruction in various stages of education and learning and 3) to try to make it possible to give some recommendations based on solid theoretical data for the arrangement of remedial instruction. In the main a theoretical study. Project on remedial instruction.
TIME SCHEDULE	Starting date I/73 Probable completion date XII/74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	remedial teaching / enseignement de rattrapage / Förderunterricht learning difficulty / trouble de l'apprentissage / Lernschwierigkeit

195

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Operaatioanalyysi projekti Operations research project
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Reitti, Jarmo, M.Sc.Econ.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the application possibilities of operations research models in the planning of education. The research method is mainly analytical enquiry. A separate study.
TIME SCHEDULE	Starting date IV/73 Probable completion date __/__
SOURCE OF FINANCE	The study is financed by the Ministry of Education
DESCRIPTORS	operational research / recherche operationnelle / Unternehmensforschung planning of education / planification de l'education Bildungspolitik

195

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Reitti, Jarmo, M.Sc.Econ.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study the application possibilities of operations research models in the planning of education. The research method is mainly analytical enquiry.
SAMPLE	A separate study.
METHODS	
TIME SCHEDULE	Starting date IV/73 Probable completion date __/__
SOURCE OF FINANCE	The study is financed by the Ministry of Education
DESCRIPTORS	operational research / recherche operationnelle / Unternehmensforschung planning of education / planification de l'education Bildungspolitik

195

[redacted]

COUNTRY DATE	Finland December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	SIVA-koulutustutkimus I: SIVA-koulutussuunnitelman kuvaus ja opetusteknologinen kritiikki A Study on SIVA-training. Part I: The description of the plan for SIVA-training and its criticism from the viewpoint of educational technology
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Renko, Manu, Ed.D. Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	Renko, Manu & Taipale, Hannu, SIVA-koulutustutkimus I: SIVA-koulutussuunnitelman kuvaus ja opetusteknologinen kritiikki. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 211,1973. 51p. ISBN 951-677-229-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The description of the plan for SIVA-training (further training courses for teachers in connection with the introduction of the comprehensive school system) deals with the laws and agreements that form the basis for the training, objectives, quantity, timing, contents of daily programmes, ways of working, materials, selection and training of educators and organizig of training. The criticism is aimed at the general planning of training, the overlooking of individual training needs, the vagueness of teaching objectives, the lack of assessment of results, the timing of the training, the ways of working and the system of educator training. Some proposals are made for improving the training regarding the criticized features.
TIME SCHEDULE	Starting date VII 73 Date of completion XII/ 73
SOURCE OF FINANCE	
DESCRIPTORS	further education of teachers / perfectionnement des enseignants / Lehrerfortbildung educational technology / technologie de l'education /

197

197

	plan for SIVA-training and its criticism from the viewpoint of educational technology
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Renko, Manu, Ed.D. Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	Renko, Manu & Taipale, Hannu, SIVA-koulutustutkimus I: SIVA-koulutussuunnitelman kuvaus ja opetusteknologinen kritiikki. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 211,1973. 51p. ISBN 951-677-229-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The description of the plan for SIVA-training (further training courses for teachers in connection with the introduction of the comprehensive school system) deals with the laws and agreements that form the basis for the training, objectives, quantity,timing, contents of daily programmes, ways of working, materials, selection and training of educators and organizig of training. The criticism is aimed at the general planning of training, the overlooking of individual training needs, the vagueness of teaching objectives, the lack of assessment of results, the timing of the training, the ways of working and the system of educator training. Some proposals are made for improving the training regarding the criticized features.
TIME SCHEDULE	Starting date VI/__73 Date of completion XII/ 73
SOURCE OF FINANCE	
DESCRIPTORS	further education of teachers / perfectionnement des enseignants / Lehrerfortbildung educational technology / technologie de l'education / Bildungstechnologie

197

COUNTRY	Finland
DATE	December 1973 .
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kouluhallinnon ja koulututkimuksen neuvottelutilaisuus. Raportti koulututkimuksen neuvottelukunnan järjestämästä seminaarista, joka pidettiin Jyväskylässä 28. - 29.5.1973 The conference of school administration and school research. A report of the seminar arranged by the Council for School Research in Jyväskylä in 28.-29.5.1973
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Remes, Pirkko, (ed.)
BIBLIOGRAPHIC REFERENCE	Remes, Pirkko (ed.), Kouluhallinnon ja koulututkimuksen neuvottelutilaisuus. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 208, 1973, 77p, ISBN 951-677-207-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	In 1970 a body, the Council for School Research, was set up to promote school research and cooperation between school administration and school research. When the council was defining its role at the beginning of its second three-year term of office, it invited the leading representatives of school research and administration to discuss the problems of educational research and decision-making. The conference established that 1) interest in school research has grown, 2) funds allocated to school research have increased rapidly, 3) the field of research has become wider, 4) emphasis is shifting from primary education to secondary education, 5) the application of research results has become the object of through investigation, and 6) decision-making is not based merely on information produced by research but it is also determined by both values and political will. 56 people took part in the conference. The nine papers read and summaries of discussions are presented in this report.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	educational research / recherche educationnelle / Bildungsforschung administration of education / administration de l'

199

TITLE OF THE RESEARCH	The conference of school administration and school research. A report of the seminar arranged by the Council for School Research in Jyväskylä in 28.-29.5.1973
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Remes, Pirkko, (ed.)
BIBLIOGRAPHIC REFERENCE	Remes, Pirkko (ed.), Kouluhallinnon ja koulututkimuksen neuvottelutilaisuus. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 208, 1973, 77p, ISBN 951-677-207-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	In 1970 a body, the Council for School Research, was set up to promote school research and cooperation between school administration and school research. When the council was defining its role at the beginning of its second three-year term of office, it invited the leading representatives of school research and administration to discuss the problems of educational research and decision-making. The conference established that 1) interest in school research has grown, 2) funds allocated to school research have increased rapidly, 3) the field of research has become wider, 4) emphasis is shifting from primary education to secondary education, 5) the application of research results has become the object of through investigation, and 6) decision-making is not based merely on information produced by research but it is also determined by both values and political will. 56 people took part in the conference. The nine papers read and summaries of discussions are presented in this report.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	educational research / recherche educationnelle / Bildungsforschung administration of education / administration de l' enseignement / Bildungsverwaltung

199

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kasvatustieteellisestä käsitteistöstä ja teoriasta filosofian kentässä On educational concepts and theory in the field of philosophy
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Remes, Pirkko, M.A. Suortti, Juhani, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study the logic of educational concepts and theory by means of criteria provided by philosophy.
SAMPLE	The research approach is theoretics-philosophical. The study concentrates on selected concepts which hold a different position in positivistic methods. The purpose is to find a basis for incorporating concepts in theories. 201
METHODS	A thesis.
TIME SCHEDULE	Starting date I/74 Probable completion date X/74
SOURCE OF FINANCE	
DESCRIPTORS	concept analysis / analyse conceptuelle / Begriffsanalyse philosophy of education / philosophie de l'education

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Remes, Pirkko, M.A. Suortti, Juhani, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study the logic of educational concepts and theory by means of criteria provided by philosophy.
SAMPLE	The research approach is theoretics-philosophical. The study concentrates on selected concepts which hold a different position in positivistic methods. The purpose is to find a basis for incorporating concepts in theories.
METHODS	A thesis.
TIME SCHEDULE	Starting date I/ 74 Probable completion date X/ 74
SOURCE OF FINANCE	
DESCRIPTORS	concept analysis / analyse conceptuelle / Begriffsanalyse philosophy of education / philosophie de l'education Erziehungsphilosophie theory of education / theorie de l'education / Bildungstheorie

201

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Det centrala provet i modersmålet i årskurs 9 läsåren 1971-72 och 1972-73 School achievement tests in the mother tongue (Swedish) in the ninth grade during school years 1971-72 och 1972-73
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Per Olof, M.A.
BIBLIOGRAPHIC REFERENCE	Rönnholm, Pehr Olof, Det centrala provet i modersmålet i årskurs 9 läsåren 1971-72 och 1972-73. Jyväskylän yliopisto, Kasvatustieteiden tutkimuslaitos, Report 209, 1973, 127p, ISBN 951-677-224-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Achievement assessment in the mother tongue for the ninth grade, prepared in 1971, consisted of tests in language knowledge (60 multiple choice items) and reading comprehension (29 multiple choice items). The assessment was arranged in experimental comprehensive schools. N (1972) = 152 and N (1973) = 333. In spring 1972 the assessment consisted of a precis which was evaluated analytically by teachers in accordance with the instructions given, and in spring 1973 of a dictation test containing 30 vords taken from the National Board of Education's (Sweden) standard test for the ninth grade. The tests show satisfactory indices of validity and reliability as well as discriminatory power. The tests results do not indicate any noticeable deficiencies in the pupils' knowledge of the mother tongue. The preparation of the tests has revealed the need for a systematically arranged curriculum which could serve as a basis for making the objectives more precise and more concrete, and for evaluation as well.
TIME SCHEDULE	Starting date IX / 71 Date of completion XI / 73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mother tongue / langue maternelle / Muttersprache

TITLE OF THE RESEARCH	ninth grade during school years 1971-72 och 1972-73
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Per Olof, M.A.
BIBLIOGRAPHIC REFERENCE	Rönnholm, Pehr Olof, Det centrala provet i modersmålet i årskurs 9 läsåren 1971-72 och 1972-73. Jyväskylän yliopisto, Kasvatustieteiden tutkimuslaitos, Report 209, 1973, 127p, ISBN 951-677-224-2
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Achievement assessment in the mother tongue for the ninth grade, prepared in 1971, consisted of tests in language knowledge (60 multiple choice items) and reading comprehension (29 multiple choice items). The assessment was arranged in experimental comprehensive schools. N (1972) = 152 and N (1973) = 333. In spring 1972 the assessment consisted of a precis which was evaluated analytically by teachers in accordance with the instructions given, and in spring 1973 of a dictation test containing 30 vords taken from the National Board of Education's (Sweden) standard test for the ninth grade. The tests show satisfactory indices of validity and reliability as well as discriminatory power. The tests results do not indicate any noticeable deficiencies in the pupils' knowledge of the mother tongue. The preparation of the tests has revealed the need for a systematically arranged curriculum which could serve as a basis for making the objectives more precise and more concrete, and for evaluation as well.
TIME SCHEDULE	Starting date IX / 71 Date of completion XI / 73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mother tongue / langue maternelle / Muttersprache curriculum / programme d'etudes / Bildungsplan

208

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Grundskolans centrala prov 1972-1973: Matematik Comprehensive school achievement tests in 1972-1973: Mathematics
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Per -Olof, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The aim is to prepare tests for different subareas of mathematics for the sixth, seventh and ninth grades. Tests are translated from Finnish.
SAMPLE	The subjects are pupils in the sixth, seventh and ninth grades in the Swedish-speaking districts of Dragsfjärd, Pietarsaari-Larsmo, Tenala-Bromarv-Finby and the area of Korsholm. 205
METHODS	Measuring instruments: multiple choice items. Method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date IX / 72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mathematics /mathematiques / Mathematik curriculum / programme d'etudes / Bildungspla

ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Per -Olof, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The aim is to prepare tests for different subareas of mathematics for the sixth, seventh and ninth grades. Tests are translated from Finnish.
SAMPLE	The subjects are pupils in the sixth, seventh and ninth grades in the Swedish-speaking districts of Dragsfjärd, Pietarsaari-Larsmo, Tenala-Bromarv-Finby and the area of Korsholm.
METHODS	Measuring instruments: multiple choice items. Method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date IX / 72 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mathematics /mathematiques / Mathematik curriculum / programme d'etudes / Bildungsplan

104.

207

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Grundskolans centrala prov 1972-1973: Modersmålet (Svenska) Comprehensive school achievement tests in 1972-1973: Swedish (mother tongue)
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Pehr-Olof, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The aim is to prepare tests for the sub-areas of reading, language knowledge, and writing for the fourth, sixth and ninth grades of the comprehensive school.
SAMPLE	The subjects are pupils in the fourth, sixth and ninth grades in the Swedish speaking districts of Dragsfjärd, Tenala-Bromarv-Finby and Pietarsaari-Larsmo and in the area of Korsholm (9th grade). $N_4 = 270$, $N_6 = 270$ and $N_9 = 310$ 207
METHODS	Measuring instruments: multiple choice items and dictation Method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date __/71 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mother tongue / langue maternelle / Muttersprache curriculum / programme d'etudes / Bildungspla

ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Pehr-Olof, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research
BACKGROUND, AIMS	The aim is to prepare tests for the sub-areas of reading, language knowledge, and writing for the fourth, sixth and ninth grades of the comprehensive school.
SAMPLE	The subjects are pupils in the fourth, sixth and ninth grades in the Swedish speaking districts of Dragsfjärd, Tenala-Bromarv-Finby and Pietarsaari-Larsmo and in the area of Korsholm (9th grade). $N_4 = 270$, $N_6 = 270$ and $N_9 = 310$
METHODS	Measuring instruments: multiple choice items and dictation Method of analysis: frequency, mean and correlation studies. A subproject of the Department of Evaluation.
TIME SCHEDULE	Starting date __/71 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation mother tongue / langue maternelle / Muttersprache curriculum / programme d'etudes / Bildungsplan

207

209

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Grammatiktheorie und Sprachunterricht Grammatical theory and language teaching
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Saksan kielen laitos Institute of German Philology, University of Jyväskylä
RESEARCHERS	Stellmacher, Dieter, Ph.D.
BIBLIOGRAPHIC REFERENCE	Stellmacher, Dieter, Grammatiktheorie und Sprachunterricht. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 172. 1973. 47p. ISBN 951-677-086-X
BACKGROUND, AIMS	The aim of the present study is to analyze the relationship between grammatical theories and language teaching. First, the author deals with some psychological aspects of language learning and with the connections between L1 and L2. The objectives and methods of language teaching are analyzed, and some views are presented on the relations between linguistic theories and theories of learning. Finally, the author reviews the use of technical aids in language teaching. 209
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion __/ 73
SOURCE OF FINANCE	
DESCRIPTORS	psycholinguistics / psycholinguistique / Psycholinguistik linguistics / linguistique / Linguistik mother tongue / langue maternelle / Muttersprache second language / premiere langue /

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Saksan kielen laitos Institute of German Philology, University of Jyväskylä
RESEARCHERS	Stellmacher, Dieter, Ph.D.
BIBLIOGRAPHIC REFERENCE	Stellmacher, Dieter, Grammatiktheorie und Sprachunterricht. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 172. 1973. 47p. ISBN 951-677-086-X
BACKGROUND, AIMS	The aim of the present study is to analyze the relationship between grammatical theories and language teaching. First, the author deals with some psychological aspects of language learning and with the connections between L1 and L2. The objectives and methods of language teaching are analyzed, and some views are presented on the relations between linguistic theories and theories of learning. Finally, the author reviews the use of technical aids in language teaching.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date _/__ Date of completion __/ 73
SOURCE OF FINANCE	
DESCRIPTORS	psycholinguistics / psycholinguistique / Psycholinguistik linguistics / linguistique / Linguistik mother tongue / langue maternelle / Muttersprache second language / premiere langue /

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Grundskolans centrala prov 1972-1973: I och II för eleven främmande språket (finska och engelska) Comprehensive school achievement tests in 1972-1973: Finnish and English (for Swedish speaking pupils)
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Pehr-Olof, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The aim is to prepare tests for the subareas of structure, vocabulary, reading and listening comprehension for the sixth and ninth grades.
SAMPLE	The subjects are pupils in the sixth and ninth grades in the districts of Dragfjärd, Tenala-Bromarv-Finby and Pietarsaari-Larsmo and the area of Korsholm (9th grade). $N_6 = 270$ and $N_9 = 310$
METHODS	Measuring instruments: Multiple choice items Results are analyzed by means of frequency, mean and correlation studies A sub-project of the Department of Evaluation.
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation second language / premiere langue / erste Fremdsprache

	Finnish and English (for Swedish speaking pupils)
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Pehr-Olof, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskyla
BACKGROUND, AIMS	The aim is to prepare tests for the subareas of structure, vocabulary, reading and listening comprehension for the sixth and ninth grades.
SAMPLE	The subjects are pupils in the sixth and ninth grades in the districts of Dragfjärd, Tenala-Bromarv-Finby and Pietarsaari-Larsmo and the area of Korsholm (9th grade). $N_6 = 270$ and $N_9 = 310$
METHODS	Measuring instruments: Multiple choice items Results are analyzed by means of frequency, mean and correlation studies A sub-project of the Department of Evaluation. 211
TIME SCHEDULE	Starting date IX/72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	achievement test / test de rendement / Leistungstest evaluation / evaluation / Evaluation second language / premiere langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan

213

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Den prognostiska förmågan hos det centrala provet i finska i årskurs 6 i försöksgrundskolorna våren 1969 The predictive validity of the achievement test i Finnish as the second language for Swedish speaking pupils in grade 6 in the comprehensive schools
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Pehr-Olof, M.A.
BIBLIOGRAPHIC REFERENCE	Rönnholm, Pehr-Olof, Den prognostiska förmågan hos det centrala provet i finska i årskurs 6 i försöksgrundskolorna våren 1969. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 180. 1973. 114p. ISBN 951-677-104-1
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of this study was to find out the perdictive validity of the achievement test in Finnish in grade 6 during spring term 1969. Comparison has been made with the mark in Finnish received in December. The following achievement criteria were used: (1) the result obtained in the achievement test in Finnish in grade 9, spring 1972, (2) the mark in Finnish in grade 9, and (3) the course level chosen in grade 9. - The result show that the achievement test in grade 6 explains 54 per cent and the mark in Finnish in grade 6 approx. 37 per cent of the differencies between the students' achievement in Finnish using the criterium 1. Using criterium 2 the result is more incoherent and the relations are weaker. - In case the final result of the achievement test in Finnish in grade 6 is supported by teacher's evaluation it is possible to use the test in grade 6 as a basis for prediction of later achievement in the upper level of the comprehensive school.
TIME SCHEDULE	Starting date X/71 Date of completion III/73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest validity / validite / Validität

213

	The predictive validity of the achievement test i Finnish as the second language for Swedish speaking pupils in grade 6 in the comprehensive schools
ORGANISATION/INSTITUTE	Pedagogiska forskningsinstitutet Institute for Educational Research
RESEARCHERS	Rönnholm, Pehr-Olof, M.A.
BIBLIOGRAPHIC REFERENCE	Rönnholm, Pehr-Olof, Den prognostiska förmågan hos det centrala provet i finska i årskurs 6 i försöksgrundskolorna våren 1969. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 180. 1973. 114p. ISBN 951-677-104-1
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpose of this study was to find out the perdictive validity of the achievement test in Finnish in grade 6 during spring term 1969. Comparison has been made with the mark in Finnish received in December. The following achievement criteria were used: (1) the result obtained in the achievement test in Finnish in grade 9, spring 1972, (2) the mark in Finnish in grade 9, and (3) the course level chosen in grade 9. - The result show that the achievement test in grade 6 explains 54 per cent and the mark in Finnish in grade 6 approx. 37 per cent of the differencies between the students' achievement in Finnish using the criterium 1. Using criterium 2 the result is more incoherent and the relations are weaker. - In case the final result of the achievement test in Finnish in grade 6 is supported by teacher's evaluation it is possible to use the test in grade 6 as a basis for prediction of later achievement in the upper level of the comprehensive achool.
TIME SCHEDULE	Starting date X / 71 Date of completion III / 73
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	achievement test / test de rendement / Leistungstest validity / validite / Validität second language / premiere langue / erste Fremdsprach

213

COUNTRY DATE	Finland December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Asennedifferentiaali Attitude differential
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Saari, Hannu, Ed. Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to elaborate a system of attitude measurement called attitude differential. The construction of the measuring instrument is based on Karvonen's (1967, 1970 a,b,c) three-component attitude theory and Osgood & al's (1957) semantic differential. The objective is to construct an attitude scale by means of which it is possible to measure and study that part of the three-component attitude theory which concerns the structure and change of attitudes. In several successive phases of the construction of the attitude differential female and male students of the university have been used in different evaluation and role-acting tasks (N = appr. 200). The constructed attitude differential has been used for adults (female university students) and for children (9-18 years) in experimental and other type of studies. There is also a version of the attitude differential for the measurement of school motivation. The qualities of the measuring instrument are examined in the light of the results of these studies and Karvonen's (1967) attitude theory. A separate study Thesis (Karvonen, Juhani, prof.)
TIME SCHEDULE	Starting date __/69 Probable completion date __/__
SOURCE OF FINANCE	Own
DESCRIPTORS	attitude / attitude / Einstellung measurement technique / technique de mesure /

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Saari, Hannu, Ed. Lic.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to elaborate a system of attitude measurement called attitude differential. The construction of the measuring instrument is based on Karvonen's (1967, 1970 a,b,c) three-component attitude theory and Osgood & al's (1957) semantic differential. The objective is to construct an attitude scale by means of which it is possible to measure and study that part of the three-component attitude theory which concerns the structure and change of attitudes. In several successive phases of the construction of the attitude differential female and male students of the university have been used in different evaluation and role-acting tasks (N = appr. 200). The constructed attitude differential has been used for adults (female university students) and for children (9-18 years) in experimental and other type of studies. There is also a version of the attitude differential for the measurement of school motivation. The qualities of the measuring instrument are examined in the light of the results of these studies and Karvonen's (1967) attitude theory. A separate study Thesis (Karvonen, Juhani, prof.)
TIME SCHEDULE	Starting date __/69 Probable completion date __/__
SOURCE OF FINANCE	Own
DESCRIPTORS	attitude / attitude / Einstellung measurement technique / technique de mesure / Messtechnik

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Korkeakoulujen televisio-opetuksen kehittäminen ja suunnittelu The development and planning of television instruction in higher education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Silvennoinen, Martti, M.A. Peisa, Seppo, M.A. Salmela, Ritva, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to collect observations concerning the arrangement and planning of television instruction in higher education made mainly on the basis of Finnish research and experimentation. In the collection of information the study is concentrated primarily on the organizational and functional solution models for the production of various forms of television instruction in the overall educational planning. Finally proposals are put forward for the principles of the planning and development of television-instruction in higher education. 217 The study is based on Finnish and foreign observation material (experiences) and empirical studies. The study follows the quantitative development of Finnish television-instruction (higher education) on the basis of material collected earlier and the situation in 1973 and future plans. The recommendations and proposals are based on planning and experts' opinions. A separate project.
TIME SCHEDULE	Starting date VI/73 Probable completion date II/74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	higher eduction / enseignement superieur / Hochschulbildung closed-circuit television / television en circuit

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Silvennoinen, Martti, M.A. Peisa, Seppo, M.A. Salmela, Ritva, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to collect observations concerning the arrangement and planning of television instruction in higher education made mainly on the basis of Finnish research and experimentation. In the collection of information the study is concentrated primarily on the organizational and functional solution models for the production of various forms of television instruction in the overall educational planning. Finally proposals are put forward for the principles of the planning and development of television-instruction in higher education. The study is based on Finnish and foreign observation material (experiences) and empirical studies. The study follows the quantitative development of Finnish television-instruction (higher education) on the basis of material collected earlier and the situation in 1973 and future plans. The recommendations and proposals are based on planning and experts' opinions. A separate project.
TIME SCHEDULE	Starting date VI/ 73 Probable completion date II / 74
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	higher eduction / enseignement superieur / Hochschulbildung closed-circuit television / television en circuit ferme / internes Fernsehen

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Ammatillisten oppilaitosten oppimateriaalitilanteen kartoitus A survey of learning materials in vocational schools
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Stenström, Marja-Leena, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report serie of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to make a survey of textbooks, other learning materials, and audio-visual aids used in vocational schools subordinate to the National Board of Vocational Education, and of the further need for learning materials and audio-visual aids. The study also tries to ascertain the suitability of present textbooks and to map the subjects in which no textbook is used. The study concerns all educational establishments which are subordinate to the National Board of Vocational Education (nearly 600), the teachers of which received a questionnaire. The number of questionnaires analyzed is approx. 10 000. The results are presented in the form of frequencies and percentages. A separate study
TIME SCHEDULE	Starting date IV/73 Probable completion date __/__
SOURCE OF FINANCE	National Board of Vocational Education
DESCRIPTORS	teaching aids / moyens d'enseignement / Lehrmittel vocational education / enseignement professionnel /

TITLE OF THE RESEARCH	A survey of learning materials in vocational schools
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Stenström, Marja-Leena, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report serie of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to make a survey of textbooks, other learning materials, and audio-visual aids used in vocational schools subordinate to the National Board of Vocational Education, and of the further need for learning materials and audio-visual aids. The study also tries to ascertain the suitability of present textbooks and to map the subjects in which no textbook is used. The study concerns all educational establishments which are subordinate to the National Board ofVocational Education (nearly 600), the teachers of which received a questionnaire. The number of questionnaires analyzed is approx. 10 000. The results are presented in the form of frequencies and percentages. A separate study
TIME SCHEDULE	Starting date IV/73 Probable completion date __/__
SOURCE OF FINANCE	National Board of Vocational Education
DESCRIPTORS	teaching aids / moyens d'enseignement / Lehrmittel vocational education / enseignement professionnel / Berufsbildung

219

221

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus III Kokeiluperuskoulun käyneiden jatko-opinnot: Koulunkäynti ja mahdolliset vaikeudet lukiossa A follow-up study of comprehensive school students. Part III. Experimental comprehensive school students' further studies: Academic achievement and possible difficulties at the senior secondary level
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) the social and pedagogical adjustment to the senior secondary level of experimental comprehensive school students 2) their academic achievement and factors connected with it at the senior secondary level. Subjects: age 16-18 years, two age groups N1 = 201 (Data 1), N2 = 204 (Data 2) Measuring instruments: Questionnaires, rating sheets Design: Ex post facto Method of analysis: distributions, means and deviations, and comparison of means, correlations. A subreport/ A follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date I/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education.
DESCRIPTORS	adjustment / adaptation / Anpassung achievement / rendement / Leistung follow-up study / etude longitudinale / Folgestudie

221

	A follow-up study of comprehensive school students. Part III. Experimental comprehensive school students' further studies: Academic achievement and possible difficulties at the senior secondary level
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study 1) the social and pedagogical adjustment to the senior secondary level of experimental comprehensive school students 2) their academic achievement and factors connected with it at the senior secondary level.
SAMPLE	Subjects: age 16-18 years, two age groups N1 = 201 (Data 1), N2 = 204 (Data 2)
METHODS	Measuring instruments: Questionnaires, rating sheets Design: Ex post facto Method of analysis: distributions, means and deviations, and comparison of means, correlations. A subreport/ A follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date I/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education.
DESCRIPTORS	adjustment / adaptation / Anpassung achievement / rendement / Leistung follow-up study / etude longitudinale / Folgestudie learning difficulty / trouble de l'apprentissage / Lernschwierigkeit

221

223

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus IV Kokeiluperuskoulun käyneiden jatko-opinnot: Ammatillinen koulutus A follow-up study of comprehensive school students. Part IV Experimental comprehensive school students' further studies: Vocational education
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study 1) the social and pedagogical adjustment to vocational education of experimental comprehensive school students, 2) their academic achievement and factors connected with it in vocational education.
SAMPLE	Subjects: age 16-17 years, N=155
METHODS	Measuring instruments: questionnaires, rating sheets 223 Design: Ex post facto Method of analysis: distributions, cross tabulation, means and standard deviations, correlations. A subreport/ A follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/ 67 Probable completion date II/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education.
DESCRIPTORS	adjustment / adaptation / Anpassung achievement / rendement / Leistung learning difficulty / trouble de l'apprentissage / Lernschwierigkeit follow-up study / etude longitudinale / Folgestudie

Vocational education

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study 1) the social and pedagogical adjustment to vocational education of experimental comprehensive school students, 2) their academic achievement and factors connected with it in vocational education.
SAMPLE	Subjects: age 16-17 years, N=155
METHODS	Measuring instruments: questionnaires, rating sheets Design: Ex post facto Method of analysis: distributions, cross tabulation, means and standard deviations, correlations. A subreport/ A follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date II/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education.
DESCRIPTORS	adjustment / adaptation / Anpassung achievement / rendement / Leistung learning difficulty / trouble de l'apprentissage / Lernschwierigkeit follow-up study / etude longitudinale / Folgestudie vocational training / formation professionnelle /

223

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus V Kokeiluperuskoulun käyneet työelämässä: Nuorten sijoittuminen ja menestyminen eri työaloilla A follow-up study of comprehensive school students. Part V Experimental comprehensive school students in occupational life: Student placement and achievement in different jobs
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) jobs which young people take up immediately after the comprehensive school, 2) job satisfaction in different lines of work and its determinants, and how much occupational mobility there is between different fields during the first years after the end of the school. Subjects: age 16-17 years, N=250 Measuring instruments: questionnaires Design: ex post facto Method of analysis: distributions, cross tabulation, means and standard deviations, correlative techniques A subreport/ a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date IV/74
SOURCE OF FINANCE	Studies commissioned by the Research and Dvelopment Bureau of the National Board of Education.
DESCRIPTORS	transition from school to work / passage a la vie active / Übergang zur Arbeitswelt youth employment / emploi des jeunes / Beschäftigung Jugendlicher

225

	A follow-up study of comprehensive school students. Part V Experimental comprehensive school students in occupational life: Student placement and achievement in different jobs
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed
BIBLIOGRAPHIC REFERENCE	A report will be publishe[illegible] the report series of the Institute for Educational [illegible]earch, University of Jyväskylä
BACKGROUND, AIMS SAMPLE	The purpose is to study 1) jobs which young people take up immediately after the comprehensive school, 2) job satisfaction in different lines of work and its determinants, and how much occupational mobility there is between different fields during the first years after the end of the school.
METHODS	Subjects: age 16-17 years, N=250 Measuring instruments: questionnaires Design: ex post facto Method of analysis: distributions, cross tabulation, means and standard deviations, correlative techniques A subreport/ a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date IV/74
SOURCE OF FINANCE	Studies commissioned by the Research and Dvelopment Bureau of the National Board of Education.
DESCRIPTORS	transition from school to work / passage a la vie active / Übergang zur Arbeitswelt youth employment / emploi des jeunes / Beschäftigung Jugendlicher occupational satisfaction / satisfaction professionnelle / Befriedigung im Beruf

225

227

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus VII. Mitkä tekijät selittävät oppilaiden peruskoulun jälkeisiä jatko-opintoja? A follow-up study of comprehensive school students. Part VII Which factors determine students' further studies after the comprehensive school?
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to look for variables by means of which students' willingness to continue studies and the nature of studies could be explained.
SAMPLE	Subjects: age 15-17 year, N = 625 Measuring instruments: motivation, valuation, way of living, and attitude scales, questionnaires.
METHODS	Design: Ex post facto Method of analysis: relevant multivariate methods A subreport / A follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date _/67 Probable completion date VI/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education
DESCRIPTORS	follow-up study / étude longitudinale / Folgestudie achievement motivation / motivation d'accomplissement Leistungsmotivation aspiration / aspiration / Streben

227

	comprehensive school?
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to look for variables by means of which students' willingness to continue studies and the nature of studies could be explained.
SAMPLE	Subjects: age 15-17 year, N = 625 227 Measuring instruments: motivation, valuation, way of living, and attitude scales, questionnaires.
METHODS	Design: Ex post facto Method of analysis: relevant multivariate methods A subreport / A follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/_67 Probable completion date VI_/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie achievement motivation / motivation d'accomplissement Leistungsmotivation aspiration / aspiration / Streben

229

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus VIII. Peruskoulun käyneid oppilaiden menestyminen jatko-opinnoissa A follow-up study of comprehensive school students. Part VII The academic achievement in further studies of comprehensive school students
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to follow the later phases of life of student who have pursued different kind of further studies after the comprehensive school. Special attention is paid to conditio promotion, grade-repetition and leaving school during training. Subjects: age 16-18 years, two age-groups N1 = 200 (Data 1), N2 = 350 (Data 2) Measuring instruments: questionnaires, rating sheets 229 Design: Ex post facto Method of analysis: distributions, cross tabulation, means and standard deviations, comparison of means. A subreport / a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date VIII/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie achievement / rendement / Leistung repeating / redoublement / Sitzenbleiben dropout / abandon d'etudes / Dropout

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to follow the later phases of life of students who have pursued different kind of further studies after the comprehensive school. Special attention is paid to conditional promotion, grade-repetition and leaving school during training.
SAMPLE	Subjects: age 16-18 years, two age-groups N1 = 200 (Data 1), N2 = 350 (Data 2)
METHODS	Measuring instruments: questionnaires, rating sheets Design: Ex post facto Method of analysis: distributions, cross tabulation, means and standard deviations, comparison of means.
	A subreport / a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date VIII/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie achievement / rendement / Leistung repeating / redoublement / Sitzenbleiben dropout / abandon d'etudes / Dropout

231

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus IX. Peruskoulusta tulleet oppilaat lukioiden ja ammatillisten oppilaitosten opettajien arvioimina A follow-up study of comprehensive school students. Part IX Students from the comprehensive school as rated by teachers of upper secondary schools and vocational schools
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in teh report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study on the basis of various evaluations 1) to what extent ratings concerning students from the comprehensive school differ from ratings concerning other students. 2) to what extent teachers' attitudes might be different especially towards students who have come from the comprehensive school. Subjects: age 17-19 years, N = 350 Measuring instruments: rating and attitude scales Design: Ex post facto Method of analysis: correlative methods, analysis of variance. A subreport / a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date X /74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie teacher behaviour / comportement de l'enseignant / Lehrerverhalten general education / enseignement general / Allgemeinbildung

231

	Students from the comprehensive school as rated by teachers of upper secondary schools and vocational schools
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in teh report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to study on the basis of various evaluations 1) to what extent ratings concerning students from the comprehensive school differ from ratings concerning other students.
SAMPLE	2) to what extent teachers' attitudes might be different especially towards students who have come from the comprehensive school.
METHODS	Subjects: age 17-19 years, N = 350 Measuring instruments: rating and attitude scales 231 Design: Ex post facto Method of analysis: correlative methods, analysis of variance. A subreport / a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date X/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie teacher behaviour / comportement de l'enseignant / Lehrerverhalten general education / enseignement general / Allgemeinbildung vocational education / enseignement professionnel

233

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus X Seurantatutkimuksen avulla saatujen tietojen yleistämisen ehdot A follow-up study of comprehensive school students. Part X. The conditions for the generalization of information obtained by means of the follow-up study
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to analyze the restrictions and merits of follow-up type research both in general and in this study and by means of them the conditions for the generalization of the received information.
SAMPLE	A subreport / a follow-up study of comprehensive school students.
METHODS	233
TIME SCHEDULE	Starting date __/67 Probable completion date XII/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education. 233[illegible]
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie research method / methode de recherche / Forschungsmethode

	conditions for the generalization of information obtained by means of the follow-up study
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to analyze the restrictions and merits of follow-up type research both in general and in this study and by means of them the conditions for the generalization of the received information.
SAMPLE	A subreport / a follow-up study of comprehensive school students.
METHODS	233
TIME SCHEDULE	Starting date __/67 Probable completion date XII/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education. 233A
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie research method / methode de recherche / Forschungsmethode

118. 234

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoululaisten seurantatutkimus VI Oppilaiden koulumotivaatio peruskoulun yläasteelta lukioon ja sitä selittävät tekijät A follow-up study of comprehensive school students. Part VI Learning motivation and its determinants from the junior level of the comprehensive school up to the senior level
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed. Kilpeläinen, Marja-Liisa, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) whether there are any changes in students' learning motivation when they transfer from the comprehensive school to the upper secondary level. 2) which factors determine learning motivation in the comprehensive school and which at the upper secondary level. Subjects: age 16-18 years, two age-groups N1 = 201 (Data 1) N2 = 204 (Data 2) Measuring instruments: questionnaires, rating sheets, motivation scales Design: ex post facto Method of analysis: Techniques based on means and correlations. A subreport/ a follow-up study of comprehensive school students.
TIME SCHEDULE	Starting date __/67 Probable completion date III/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education.
DESCRIPTORS 234 A	follow-up study / etude longitudinale / Folgestudie motivation / motivation / Motivation

234

	Learning motivation and its determinants from the junior level of the comprehensive school up to the senior level
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suomalainen, Markku, M.Ed. Kilpeläinen, Marja-Liisa, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) whether there are any changes in students' learning motivation when they transfer from the comprehensive school to the upper secondary level. 2) which factors determine learning motivation in the comprehensive school and which at the upper secondary level. Subjects: age 16-18 years, two age-groups N1 = 201 (Data 1) N2 = 204 (Data 2) Measuring instruments: questionnaires, rating sheets, motivation scales Design: ex post facto Method of analysis: Techniques based on means and correlations. A subreport/ a follow-up study of comprehensive school students. 234
TIME SCHEDULE	Starting date __/67 Probable completion date III/74
SOURCE OF FINANCE	Studies commissioned by the Research and Development Bureau of the National Board of Education.
DESCRIPTORS 234 A	follow-up study / etude longitudinale / Folgestudie motivation / motivation / Motivation

235

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Lineaarisen ohjelman korjaaminen opiskelijoilta saatavan virhearvioinnin perusteella Revision of a linear programme on the basis of error evaluati made by students
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suortti, Juhani, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the possibility to explain and successfully correct errors in a linear programme by means of students' own error evaluations. The study is carried out as a teaching experiment on two basic courses in education. The programme has been pretested with a student population of the university level. Estimated age is 18-22 years, N=250-300. The results of two successive experiments are compared with regard to errors made and changes in evaluation. A thesis.
TIME SCHEDULE	Starting date I / 74 Probable completion date V / 75
SOURCE OF FINANCE	
DESCRIPTORS	programmed learning / enseignement programme / programmierter Unterricht linear programme / programme lineaire / Einwegprogramm self-evaluation / autoevaluation /

235

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Suortti, Juhani, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the possibility to explain and successfully correct errors in a linear programme by means of students' own error evaluations. The study is carried out as a teaching experiment on two basic courses in education. The programme has been pre-tested with a student population of the university level. Estimated age is 18-22 years, N=250-300. The results of two successive experiments are compared with regard to errors made and changes in evaluation. A thesis.
TIME SCHEDULE	Starting date I / 74 Probable completion date V / 75
SOURCE OF FINANCE	
DESCRIPTORS	programmed learning / enseignement programme / programmierter Unterricht linear programme / programme lineaire / Einweg-programm self-evaluation / autoevaluation / Selbstbewertung

237

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Poliittinen päätöksentekijä, tutkija/suunnittelija ja suunnittelun menetelmät Political decision-maker, researcher/planner, and methods of planning
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Sänkiaho, Risto, Ph.D.
BIBLIOGRAPHIC REFERENCE	Sänkiaho, Risto, Poliittinen päätöksentekijä, tutkija/suunnittelija ja suunnittelun menetelmät. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 197. 1973. 53p. ISBN 951-677-155-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study discusses the most commonly used methods of planning and a number of statistical methods used in research which is linked with planning. The methods are analyzed from the point of view of the political decision-maker and of the researcher/planner. The study attempts to compare different methods according as they are relevant to the political decision-maker and to the researcher/planner. Only in very few methods is it possible for the political decision-maker to influence the definition of the studied problem or the description of a given variable, whereas the researcher/planner's value structure to a great extent influences the obtained results in some methods and particularly the inferences made on the basis of the data. Political decision-makers should realize that different mathods are suitable for the solution of defferent kind and level of problems, and that, therefore, there can be no absolute recommendation for valid methods.
TIME SCHEDULE	Starting date __/ 73 Date of completion VII / 73
SOURCE OF FINANCE	
DESCRIPTORS	national planning / planification nationale / nationale Planung planning of education / planification de l'education Bildungsplanung

237

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Sänkiaho, Risto, Ph.D.
BIBLIOGRAPHIC REFERENCE	Sänkiaho, Risto, Poliittinen päätöksentekijä, tutkija/suunnittelija ja suunnittelun menetelmät. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 197. 1973. 53p. ISBN 951-677-155-6
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study discusses the most commonly used methods of planning and a number of statistical methods used in research which is linked with planning. The methods are analyzed from the point of view of the political decision-maker and of the researcher/planner. The study attempts to compare different methods according as they are relevant to the political decision-maker and to the researcher/planner. Only in very few methods is it possible for the political decision-maker to influence the definition of the studied problem or the description of a given variable, whereas the researcher/planner's value structure to a great extent influences the obtained results in some methods and particularly the inferences made on the basis of the data. Political decision-makers should realize that different mathods are suitable for the solution of defferent kind and level of problems, and that, therefore, there can be no absolute recommendation for valid methods.
TIME SCHEDULE	Starting date __/73 Date of completion VII/73
SOURCE OF FINANCE	
DESCRIPTORS	national planning / planification nationale / nationale Planung planning of education / planification de l'education Bildungsplanung research result / resultat de recherche

237

239

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Poliittisen päätöksenteon vaikutus koulutukselliseen eriarvoisuuteen Policy outcomes and educational inequality
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Sänkiaho, Risto Heikki, Ph.D.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the effect of policy making (at national and communal level) on reducing educational inequality. How do rich and poor communes manage in providing education with government aid? To what extent do various communes benefit from the money they invest in education? Can the government reduce regional inequality? A sample of Finnish communes. The structure of education and cultural expenditure in a commune's budget and the influencial factors (political and economical) structures. The study of output, graduates and their placement in further education. The funds allocated to education and culture in the state budget. The effect of the decentralization of educational establishments (e.g. the effect of Oulu university on the recruitment of trained manpower in northern Finland). 239
TIME SCHEDULE	Starting date VI / 73 Probable completion date __/__
SOURCE OF FINANCE	Funds are applied from the Ministry of Education
DESCRIPTORS	decision making / prise de decision / Entscheiden social inequality / inegalite sociale / soziale Ungleichheit acces to education / acces a l'education / Bildungszugang

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Sänkiaho, Risto Heikki, Ph.D.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE	The purpose is to study the effect of policy making (at national and communal level) on reducing educational inequality. How do rich and poor communes manage in providing education with government aid? To what extent do various communes benefit from the money they invest in education? Can the government reduce regional inequality?
METHODS	A sample of Finnish communes. The structure of education and cultural expenditure in a commune's budget and the influencial factors (political and economical) structures. The study of output, graduates and their placement in further education. The funds allocated to education and culture in the state budget. The effect of the decentralization of educational establishments (e.g. the effect of Oulu university on the recruitment of trained manpower in northern Finland).
TIME SCHEDULE	Starting date VI / 73 Probable completion date __/__
SOURCE OF FINANCE	Funds are applied from the Ministry of Education
DESCRIPTORS	decision making / prise de decision / Entscheiden social inequality / inegalite sociale / soziale Ungleichheit acces to education / acces a l'education / Bildungszugang equal opportunity / egalite de chances

22.

241

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	SIVA-koulutustutkimus II Opettajien täydennyskoulutukseen kohdistuneen julkisen kritiikin erittely ja yhteenveto A study on SIVA-training. Part II. The analysis and summary of public criticism aimed at teachers' in-service training
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The analysis and summary of public criticism aimed at teachers compulsory SIVA- and VESO-training. The analysis concerns the opinions on SIVA-and VESO-training of the National Board of Education and its officials, teacher organizations and their employees and teachers who have taken part in the training in the form that they appear in the memorandums and other publications of the National Board of Education and teacher organizations and in some daily papers. The analysis is based on the principles of content analysis. In the analysis a classification is used which covers all sub-areas and elements of teachers' compulsory training. A study on SIVA-training.
TIME SCHEDULE	Starting date IX/73 Probable completion date II/74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	further education of teachers / perfectionnement des enseignants / Lehrerfortbildung evaluation / evaluation / Evaluation content analysis / analyse de contenu / Inhaltsanalyse in-service training / fomation en cours d'emploi/

24

	The analysis and summary of public criticism aimed at teachers' in-service training
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The analysis and summary of public criticism aimed at teachers compulsory SIVA- and VESO-training. The analysis concerns the opinions on SIVA-and VESO-training of the National Board of Education and its officials, teacher organizations and their employees and teachers who have taken part in the training in the form that they appear in the memorandums and other publications of the National Board of Education and teacher organizations and in some daily papers. The analysis is based on the principles of content analysis. In the analysis a classification is used which covers all sub-areas and elements of teachers' compulsory training. A study on SIVA-training.
TIME SCHEDULE	Starting date IX / 73 Probable completion date II / 74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	further education of teachers / perfectionnement des enseignants / Lehrerfortbildung evaluation / evaluation / Evaluation content analysis / analyse de contenu / Inhaltsanalyse in-service training / fomation en cours d'emploi/ berufsbegleitende Ausbildung

241

243

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	SIVA- koulutustutkimus III SIVA-koulutukseen osallistuneiden eri osapuolien kokemusten kartoitus A study on SIVA-training. Part III.
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to give information about the drawbacks that the organizers of SIVA-training and those who have taken part in it as educators and students have noticed in SIVA-training and their proposals for the improvement of the training. Research material is acquired by means of mail survey. The respondents are representatives of county governments and municipal school systems, national and county educators belonging to the SIVA-educator system, municipal educators and teachers who are being trained; a total of about 1000 respondents. The distributions of the variables are studied as well as their statistical relationships. A study on SIVA-training (= short training courses for teachers in connection with the introduction of the comprehensive school system).
TIME SCHEDULE	Starting date X / 73 Probable completion date _ /74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	further education of teachers / perfectionnement des enseignants / Lehrerfortbildung in-service training / formation en cours d'emploi / berufsbegleitende Ausbildung evaluation / evaluation / Evaluation option/ matiere a option / Wahlfach

243

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Taipale, Hannu, B.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose of the study is to give information about the drawbacks that the organizers of SIVA-training and those who have taken part in it as educators and students have noticed in SIVA-training and their proposals for the improvement of the training.
SAMPLE	Research material is acquired by means of mail survey. The respondents are representatives of county governments and municipal school systems, national and county educators belonging to the SIVA-educator system, municipal educators and teachers who are being trained; a total of about 1000 respondents.
METHODS	The distributions of the variables are studied as well as their statistical relationships. A study on SIVA-training (= short training courses for teachers in connection with the introduction of the comprehensive school system).
TIME SCHEDULE	Starting date X / 73 Probable completion date _ /74
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	further education of teachers / perfectionnement des enseignants / Lehrerfortbildung in-service training / formation en cours d'emploi / berufsbegleitende Ausbildung evaluation / evaluation / Evaluation option/ matiere a option / Wahlfach

243

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Ruotsin kielen koulusaavutukset peruskoulun ala-asteen ja yläasteen päättyessä Pupils' knowledge of Swedish at the end of the lower and upper level of the comprehensive school
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Takala, Sauli, M. A.
BIBLIOGRAPHIC REFERENCE	Takala, Sauli, Ruotsin kielen koulusaavutukset peruskoulun ala-asteen ja yläasteen päättyessä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 194. 1973. 64p. ISBN 951-677-151-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Pupils' knowledge of Swedish was measured with multiple-choice tests of grammar, vocabulary, reading comprehension and listening comprehension on grades VI and IX (final grades of the lower and upper levels of the comprehensive school, respectively). Same textbooks had been used in several different courses, which made it possible to make comparisons between them. Careful planning (and teachers' positive ratings of the tests) also made it possible to evaluate to what extent the goals of L2 teaching had been achieved. Best results had been obtained in listening comprehension, which was deemed to be generally satisfactory. On the other hand, the pupils' knowledge of structures and vocabulary was not adequate if we use the curriculum as the criterion. This is particularly true of the general and intermediate course and the short course. Reading comprehension also needs more attention. The difference between the intermediate and advance course proved great. This is problematic since graduates from the two courses are eligible for the gymnasium. A more effective use of formative testing and consequent corrective procedures is clearly indicated.
TIME SCHEDULE	Starting date I / 72 Date of completion VI / 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	evaluation / evaluation / Evaluation second language / prèmiere langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan achievement control / controle du rendement /

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Takala, Sauli, M. A.
BIBLIOGRAPHIC REFERENCE	Takala, Sauli, Ruotsin kielen koulusaavutukset peruskoulun ala-asteen ja yläasteen päättyessä. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 194. 1973. 64p. ISBN 951-677-151-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Pupils' knowledge of Swedish was measured with multiple-choice tests of grammar, vocabulary, reading comprehension and listening comprehension on grades VI and IX (final grades of the lower and upper levels of the comprehensive school, respectively). Same textbooks had been used in several different courses, which made it possible to make comparisons between them. Careful planning (and teachers' positive ratings of the tests) also made it possible to evaluate to what extent the goals of L2 teaching had been achieved. Best results had been obtained in listening comprehension, which was deemed to be generally satisfactory. On the other hand, the pupils' knowledge of structures and vocabulary was not adequate if we use the curriculum as the criterion. This is particularly true of the general and intermediate course and the short course. Reading comprehension also needs more attention. The difference between the intermediate and advance course proved great. This is problematic since graduates from the two courses are eligible for the gymnasium. A more effective use of formative testing and consequent corrective procedures is clearly indicated.
TIME SCHEDULE	Starting date I / 72 Date of completion VI / 73
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	evaluation / evaluation / Evaluation second language / premiere langue / erste Fremdsprache curriculum / programme d'etudes / Bildungsplan achievement control / controle du rendement / Leistungskontrolle

247

COUNTRY Finland

DATE December 1973

RESEARCH IN PROGRESS Esikoulun kokeiluopetussuunnitelman toteutumisen seurantatutkimus

TITLE OF THE RESEARCH A follow-up study on the realization of the pre-school experimental curriculum

ORGANISATION/INSTITUTE Kasvatustieteiden tutkimuslaitos

Institute for Educational Research

RESEARCHERS Tiihonen, Eila, Research Assistant

BIBLIOGRAPHIC REFERENCE A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä

BACKGROUND, AIMS

SAMPLE

METHODS

The purpose of the study is to develop the experimental pre-school curriculum

1) by preparing a uniform list of central topics and teaching programmes for pre-school classes for the whole school year
2) by testing the programmes paying special attention to the compatibility of the programmes, the materials and the time schedule
3) by examining the possibilities to carry out the programmes in various kind of working conditions.

247

In experimental pre-schools the work and experiences of the school year are entered in diaries which are filled in both daily and after the final treatment of each topic. In evaluation regard is paid to the topic, the given plan and its realization from the viewpoint of both teachers and pupils as well as working conditions. The implementation of programmes is followed partly also through observations, and teachers are invited to state their opinions and observations about the use of the curriculum as a whole.

TIME SCHEDULE Starting date VIII/ 72 Probable completion date /

SOURCE OF FINANCE National Board of Education, Research and Development Bureau

DESCRIPTORS

follow-up study / etude longitudinale / Folgestudie
pre-school education / education pre-scolaire / Vorschulerziehung
curriculum / programme d'etudes / Bildungsplan
evaluation / evaluation / Evaluation

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Tiihonen, Eila, Research Assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to develop the experimental pre-school curriculum 1) by preparing a uniform list of central topics and teaching programmes for pre-school classes for the whole school year 2) by testing the programmes paying special attention to the compatibility of the programmes, the materials and the time schedule 3) by examining the possibilities to carry out the programmes in various kind of working conditions. In experimental pre-schools the work and experiences of the school year are entered in diaries which are filled in both daily and after the final treatment of each topic. In evaluation regard is paid to the topic, the given plan and its realization from the viewpoint of both teachers and pupils as well as working conditions. The implementation of programmes is followed partly also through observations, and teachers are invited to state their opinions and observations about the use of the curriculum as a whole.
TIME SCHEDULE	Starting date VIII/72 Probable completion date _/_
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie pre-school education / education pre-scolaire / Vorschulerziehung curriculum / programme d'etudes / Bildungsplan evaluation / evaluation / Evaluation

249

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Esikouluprojekti A pre-school project
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Tiihonen, Eila, Research Assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The study concentrates on the revision and development of the curriculum for 6-year-old children 1) by carrying out follow-up studies on the basis of the adjustment of objectives and methods of working made by the working party on the education of 6-year-old children 2) by planning a new curriculum for 6-year-olds with the aid of memorandums of the working party, information acquired from various experts, and the results of the follow-up studies 3) by developing the integration of the curriculum for 6-year-olds and I-II grades. The follow-up studies on curriculum include all actual experimental pre-schools and an equal number of pre-schools which carry out applied experimentation (a total of 36). The follow-up studies are carried out by means of diaries made for the purpose and by questionnaires sent to teachers.
TIME SCHEDULE	Starting date IX/ 73 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie pre-school education / education pre-scolaire / Vorschulerziehung curriculum / programme d'etudes / Bildungsplan evaluation / evaluation / Evaluation

249

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Tiihonen, Eila, Research Assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The study concentrates on the revision and development of the curriculum for 6-year-old children 1) by carrying out follow-up studies on the basis of the adjustment of objectives and methods of working made by the working party on the education of 6-year-old children 2) by planning a new curriculum for 6-year-olds with the aid of memorandums of the working party, information acquired from various experts, and the results of the follow-up studies 3) by developing the integration of the curriculum for 6-year-olds and I-II grades. The follow-up studies on curriculum include all actual experimental pre-schools and an equal number of pre-schools which carry out applied experimentation (a total of 36). The follow-up studies are carried out by means of diaries made for the purpose and by questionnaires sent to teachers.
TIME SCHEDULE	Starting date IX/ 73 Probable completion date __/__
SOURCE OF FINANCE	National Board of Education, Research and Development Bureau
DESCRIPTORS	follow-up study / etude longitudinale / Folgestudie pre-school education / education pre-scolaire / Vorschulerziehung curriculum / programme d'etudes / Bildungsplan evaluation / evaluation / Evaluation

251

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kustannus-hyötyanalyysiprojekti Cost-benefit analysis project
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Turtiainen, Kare, Research assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS	The purpose is to plan and construct the criteria for the comparison on benefits needed in university planning. Analytical Enquiry
SAMPLE	Mainly a separate study, partly connected with the planning of the examinations reform experiment and the experiment of the planning and budgeting system.
METHODS	251
TIME SCHEDULE	Starting date IV/73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	cost-benefit analysis / analyse cout-avantage / Kosten-Nutzenanalyse planning of education / planification de l'education / Bildungsplanung budgetary control / controle budgetaire / Haushalts-

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Turtiainen, Kare, Research assistant
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute for Educational Research, University of Jyväskylä
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to plan and construct the criteria for the comparison on benefits needed in university planning. Analytical Enquiry Mainly a separate study, partly connected with the planning of the examinations reform experiment and the experiment of the planning and budgeting system.
TIME SCHEDULE	Starting date IV / 73 Probable completion date __/__
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	cost-benefit analysis / analyse cout-avantage / Kosten-Nutzenanalyse planning of education / planification de l'education / Bildungsplanung budgetary control / controle budgetaire / Haushaltskontrolle

251

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Automaattisen tietojenkäsittelyn ja osituskäytön opas. ATK-perusteita A guide to data processing and batch processing
ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Ylinentalo, Oiva, Ed.Lic. Koppinen, Alvar, M.Ed. Poutiainen, Annikki, M.Ed. Suomalainen, Markku, M.Ed. Toiviainen, Jyrki, M.Ed.
BIBLIOGRAPHIC REFERENCE	Ylinentalo, Oiva & Koppinen, Alvar & Poutiainen, Annikki & Suomalainen, Markku & Toiviainen, Jyrki, Automaattisen tietojenkäsittelyn ja osituskäytön opas. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 212, 1973, 117p, ISBN 951-677-232-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The guide provides a survey of the general development of data processing and the development in different universities. The guide has been made primarily for general teaching purposes and it tries to provide basic information for those who want to familiarize themselves with data processing. The guide deals particularly with the main features of batch processing and time sharing, the compilation of files, computer programming and the preparation of run-throughs.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	data processing / traitement des donnees / Datenverarbeitung computer centre / centre de calcul / Rechenzentrum statistical analysis / analyse statistique /

ORGANISATION/INSTITUTE	Kasvatustieteiden tutkimuslaitos Institute for Educational Research
RESEARCHERS	Ylinentalo, Oiva, Ed.Lic. Koppinen, Alvar, M.Ed. Poutiainen, Annikki, M.Ed. Suomalainen, Markku, M.Ed. Toiviainen, Jyrki, M.Ed.
BIBLIOGRAPHIC REFERENCE	Ylinentalo, Oiva & Koppinen, Alvar & Poutiainen, Annikki & Suomalainen, Markku & Toiviainen, Jyrki, Automaattisen tietojenkäsittelyn ja osituskäytön opas. Jyväskylän yliopisto. Kasvatustieteiden tutkimuslaitos. Report 212, 1973, 117p, ISBN 951-677-232-3
BACKGROUND, AIMS	The guide provides a survey of the general development of data processing and the development in different universities. The guide has been made primarily for general teaching purposes and it tries to provide basic information for those who want to familiarize themselves with data processing. The guide deals particularly with the main features of batch processing and time sharing, the compilation of files, computer programming and the preparation of run-throughs.
SAMPLE	
METHODS	253
MAIN FINDINGS	
TIME SCHEDULE	Starting date __/__ Date of completion___/73
SOURCE OF FINANCE	
DESCRIPTORS	data processing / traitement des donnees / Datenverarbeitung computer centre / centre de calcul / Rechenzentrum statistical analysis / analyse statistique / statistische Analyse

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS	Vuorovaikutusprosessin analysointimenetelmät liikunnan opetustilanteissa
TITLE OF THE RESEARCH	Analyzing teacher - pupil interaction in physical education classes
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Heinilä, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to promote physical education by creating better possibilities for measuring, analyzing and evaluating the process of physical instruction. In this phase the purpose is to develop a reliable and valid measuring instrument, by means of which live and video-taped situations of physical instruction could be studied using the method of systematic observation. 1. The construction of a measuring instrument on the basis of theory and information gained from the pilot study. The evaluation of the structure of the measuring instrument and the objectivity of the measurement, and the development of evaluation methods. Data: measuring instrument (6 supervisors using a rating sheet), lessons (24 situations of physical instruction where the students, three age-groups per sex, and four sub-areas of the subject are represented. Observation in a natural situation, from a video-tape and re-classification from a video-tape. The reliability and stability of classification are studied. A coefficient used is Scott's Pi-coefficient the correlations between and within groups are calculated. The structure of the measuring instrument is studied by factor analyses. Reliability is studied by analysis of variance. The study is part of a 3-phase research programme. Phase I: Thesis for M.Ed. in 1971, the University of Jyväskylä. Pilot study: Physical instruction as an interaction process. Phase II Methods of analysing the interaction process in situations of physical instruction. A licentiate thesis. Phase III: Teaching behaviour and the study of teacher and student variables.
TIME SCHEDULE	Starting date I /72 Probable completion date XII/74
SOURCE OF FINANCE	FM 8000 from the Ministry of Education, an application for a grant has been submitted to the Ministry of Education for 1974.
DESCRIPTORS	interaction / interaction / Interaktion physical education / education physique / Leibeserziehung observation / observation / Beobachtung

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Heinilä, Liisa, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to promote physical education by creating better possibilities for measuring, analyzing and evaluating the process of physical instruction. In this phase the purpose is to develop a reliable and valid measuring instrument, by means of which live and video-taped situations of physical instruction could be studied using the method of systematic observation. 1. The construction of a measuring instrument on the basis of theory and information gained from the pilot study. The evaluation of the structure of the measuring instrument and the objectivity of the measurement, and the development of evaluation methods. Data: measuring instrument (6 supervisors using a rating sheet), lessons (24 situations of physical instruction where the students, three age-groups per sex, and four sub-areas of the subject are represented. Observation in a natural situation, from a video-tape and re-classification from a video-tape. The reliability and stability of classification are studied. A coefficient used is Scott's Pi-coefficient, the correlations between and within groups are calculated. The structure of the measuring instrument is studied by factor analyses. Reliability is studied by analysis of variance. The study is part of a 3-phase research programme. Phase I: Thesis for M.Ed. in 1971, the University of Jyväskylä. Pilot study: Physical instruction as an interaction process. Phase II: Methods of analysing the interaction process in situations of physical instruction. A licentiate thesis. Phase III: Teaching behaviour and the study of teacher and student variables.
TIME SCHEDULE	Starting date I /72 Probable completion date XII/74
SOURCE OF FINANCE	FM 8000 from the Ministry of Education, an application for a grant has been submitted to the Ministry of Education for 1974.
DESCRIPTORS	interaction / interaction / Interaktion physical education / education physique / Leibeserziehung observation / observation / Beobachtung 255 A

130.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Ärsykeainekseltaan liikuntaan ja liikunnan opetukseen liittyvien divergentin ajatussujuvuuden mittarien valmistaminen Construction of divergent thinking tests applied to physical education
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Pitkänen, Pentti, D.Ed. Tiainen, Jorma, L. Phys.Ed.
BIBLIOGRAPHIC REFERENCE	Pitkänen, Pentti & Tiainen, Jorma, Ärsykeainekseltaan liikuntaan ja liikunnan opetukseen liittyvien divergentin ajatussujuvuuden mittarien valmistaminen. Jyväskylän yliopisto. Liikuntakasvatuksen laitos. Report 7. 1973.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study is part of the research project of the Department of Physical Education the purpose of which is to study and develop physical education students' creative thinking abilities. The purpose was to construct pencil-and-paper tests of divergent thinking which can be applied in group studies and the contents of which are related to exercise and physical education. In the first phase, carried out during spring term 1970, test items were selected. Selection criteria used were the discriminatory power and homogeneity of the test items. The subjects were first year students of physical education at the university of Jyväskylä (N = 63). The best items were used in a re-measurement for checking the psychometric qualities of the tests during autumn term 1970. The subjects were the then first year student (N = 63). The study produced 19 divergent thinking tests, 15 of which were verbal and 4 pictorial or figures.
TIME SCHEDULE	Starting date __/70 Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	physical education / education physique / Leibeserziehung test / test / Test creativity / creativite / Kreativitaet cognitive process / processus cognitif

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Pitkänen, Pentti, D.Ed. Tiainen, Jorma, L. Phys.Ed.
BIBLIOGRAPHIC REFERENCE	Pitkänen, Pentti & Tiainen, Jorma, Ärsykeainekseltaan liikuntaan ja liikunnan opetukseen liittyvien divergentin ajatussujuvuuden mittarien valmistaminen. Jyväskylän yliopisto. Liikuntakasvatuksen laitos. Report 7. 1973.
BACKGROUND, AIMS	The study is part of the research project of the Department of Physical Education the purpose of which is to study and develop physical education students' creative thinking abilities.
SAMPLE METHODS MAIN FINDINGS	The purpose was to construct pencil-and-paper tests of divergent thinking which can be applied in group studies and the contents of which are related to exercise and physical education. In the first phase, carried out during spring term 1970, test items were selected. Selection criteria used were the discriminatory power and homogeneity of the test items. The subjects were first year students of physical education at the university of Jyväskylä (N = 63). The best items were used in a re-measurement for checking the psychometric qualities of the tests during autumn term 1970. The subjects were the then first year student (N = 63). The study produced 19 divergent thinking tests, 15 of which were verbal and 4 pictorial or figures.
TIME SCHEDULE	Starting date __/70 Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	physical education / education physique / Leibeserziehung test / test / Test creativity / creativite / Kreativitaet cognitive process / processus congnitif

258

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Liikunnanopettajaksi aikovien divergentit verbaaliset ajatteluvalmiudet ja motiiviominaisuudet niiden virittäjinä Physical education students' divergent verbal thinking abilities and their relationships to motivational traits
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Tiainen, Jorma, L. Phys.Ed.
BIBLIOGRAPHIC REFERENCE	Tiainen, Jorma, Liikunnanopettajaksi aikovien divergentit verbaaliset ajatteluvalmiudet ja motiiviominaisuudet niiden virittäjinä. Jyväskylän yliopisto. Liikuntakasvatuksen laitos. Report 8. 1973.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Licentiate thesis The purpose was to construct measuring instruments for physical education students' divergent verbal thinking abilities and relevant motivational traits and to study their psychometric qualities and the relationships between thinking abilities and motivation traits discovered by means of these measuring instruments. The subjects were 220 female and male students taking part in the entrance examination of the Faculty of Physical Education in summer 1971. Data was collected by means of group measurements. Devergent verbal thinking abilities were measured with Guildord-type pencil-and-paper power-type tests and motivational traits with questionnairies consisting mainly of scales developed by Stern. Of the tests of divergent verbal thinking abilities the tests of divergent thinking fluency were found reliable. Inproved versions of some of them could be used for measuring ideation abilities. The construction of planning ability tests failed. The relationspips between divergent thinking abilities and motivational traits were found small, the common variance was 4-8 %.
TIME SCHEDULE	Starting date __/71 Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	cognitive process / processus cognitif / kognitiver Prozess physical education / education physique / Leibes-

abilities and their relationships to motivational traits

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Tiainen, Jorma, L. Phys.Ed.
BIBLIOGRAPHIC REFERENCE	Tiainen, Jorma, Liikunnanopettajaksi aikovien divergentit verbaaliset ajatteluvalmiudet ja motiiviominaisuudet niiden virittäjinä. Jyväskylän yliopisto. Liikuntakasvatuksen laitos. Report 8. 1973.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Licentiate thesis The purpose was to construct measuring instruments for physical education students' divergent verbal thinking abilities and relevant motivational traits and to study their psychometric qualities and the relationships between thinking abilities and motivation traits discovered by means of these measuring instruments. The subjects were 220 female and male students taking part in the entrance examination of the Faculty of Physical Education in summer 1971. Data was collected by means of group measurements. Devergent verbal thinking abilities were measured with Guildord-type pencil-and-paper power-type tests and motivational traits with questionnairies consisting mainly of scales developed by Stern. Of the tests of divergent verbal thinking abilities the tests of divergent thinking fluency were found reliable. Inproved versions of some of them could be used for measuring ideation abilities. The construction of planning ability tests failed. The relationspips between divergent thinking abilities and motivational traits were found small, the common variance was 4-8 %.
TIME SCHEDULE	Starting date __/71 Date of completion __/73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	cognitive process / processus cognitif / kognitiver Prozess physical education / education physique / Leibeserziehung

32.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Suomalaisen huippu-urheilijan elämänura The life career of top-athletes in Finland
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Vuolle, Pauli, L.Phys.Ed.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose was to map and explain the life career of top-athletes in Finland in regard to such central variables as education, occupation, social participation and family-life.
SAMPLE	Subjects: Top-athletes in Finland in 1956, 1960, 1964, 1968, and 1972.
METHODS	Research method: questionnaire, mail survey. Analyses: Description, cross tabulation, factor and principal component analyses. Explanatory part, multivariate methods (regression analysis, canonical analysis). Ph.D. thesis
TIME SCHEDULE	Starting date _/_ Probable completion date _/_
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	competitive sport / sport de competition / Leistungssport physical education / education physique / Leibeserziehung athletics / athletisme / Leichtathletik

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Liikuntakasvatuksen laitos Department of Physical Education, University of Jyväskylä
RESEARCHERS	Vuolle, Pauli, L.Phys.Ed.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose was to map and explain the life career of top-athletes in Finland in regard to such central variables as education, occupation, social participation and family-life.
SAMPLE	Subjects: Top-athletes in Finland in 1956, 1960, 1964, 1968, and 1972.
METHODS	Research method: questionnaire, mail survey. Analyses: Description, cross tabulation, factor and principal component analyses. Explanatory part, multivariate methods (regression analysis, canonical analysis). Ph.D. thesis
TIME SCHEDULE	Starting date _/_ Probable completion date _/_
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	competitive sport / sport de competition / Leistungssport physical education / education physique / Leibeserziehung athletics / athletisme / Leichtathletik

262

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Opetuksellinen informaation esikouluikäisten lasten TV-onjelmissa osat I ja II. Metodinen tutkimus lasten TV-ohjelmien opetuksellisen informaation arvioimiseksi The educational information in the TV-programmes for children in the preschool age. Parts I and II.
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Psykologian laitos. Institute of Psychology, University of Jyväskylä
RESEARCHERS	Liikanen, Pirkko, Lic.Ed. Partanen, Irmeli, B.A.
BIBLIOGRAPHIC REFERENCE	Liikanen, Pirkko & Partanen, Irmeli, Opetuksellinen informaatio esikouluikäisten lasten TV-ohjelmissa osat I ja II. Jyväskylän yliopisto. Psykologian laitos. Report 136, 1973, 51, 59p, ISBN 951-677-182-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A study commissioned by the Research and Development Bureau of the National Board of Education - connected with the development of learning materials. The purpose was (1) to study what the structure of children's TV-programmes should be like, so that it would attain the objectives set for it and that the programme-units promoting different objectives would reach their target audience, (2) to study whether the educational information of the programmes is transmitted to adults and (3) to record the direct reactions of pre-school children in a group-viewing situation. A so-called penetration index of educational information was developed for the study of the first research problem. The selected programmes did not reach 50 % of the penetration index of educational information, which means that the educational and informative contents of the programmes have to be developed so that they reach their target audience. Results concerning the second problem problem showed that the educational information of the programmes was transmitted to adults althought there were considerable differences between different programmes and chains of events. In the third problem direct motor, verbal, emotional and visual reactions of 260 children were studied in a group-viewing situation of TV-programmes. Various programmes and chains of events, the context of the event in the programme unit, the viewing situation, the degree of reception of educational information, and the age of target audience had significant effect on children's direct reactions. On the basis of the above research results the TV-series 'Noppa' (die) is tested during 1973-74 with the aim of diminishing educational inequality among pre-school children in Kaarina (N=100).
TIME SCHEDULE	Starting date I/73 Date of completion IX/73
SOURCE OF FINANCE	The National Board of Education FM 4000 Liikanen FM 1000 (collection of material) The education office of Kaarina FM 300/the Department of Psychology: video-tapes and equipment
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung televised teaching / enseignement televise / Fernsehunterricht

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Psykologian laitos. Institute of Psychology, University of Jyväskylä
RESEARCHERS	Liikanen, Pirkko, Lic.Ed. Partanen, Irmeli, B.A.
BIBLIOGRAPHIC REFERENCE	Liikanen, Pirkko & Partanen, Irmeli, Opetuksellinen informaatio esikouluikäisten lasten TV-ohjelmissa osat I ja II. Jyväskylän yliopisto. Psykologian laitos. Report 136, 1973, 51, 59p, ISBN 951-677-182-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A study commissioned by the Research and Development Bureau of the National Board of Education - connected with the development of learning materials. The purpose was (1) to study what the structure of children's TV-programmes should be like, so that it would attain the objectives set for it and that the programme-units promoting different objectives would reach their target audience, (2) to study whether the educational information of the programmes is transmitted to adults and (3) to record the direct reactions of pre-school children in a group-viewing situation. A so-called penetration index of educational information was developed for the study of the first research problem. The selected programmes did not reach 50 % of the penetration index of educational information, which means that the educational and informative contents of the programmes have to be developed so that they reach their target audience. Results concerning the second problem problem showed that the educational information of the programmes was transmitted to adults althought there were considerable differences between different programmes and chains of events. In the third problem direct motor, verbal, emotional and visual reactions of 260 children were studied in a group-viewing situation of TV-programmes. Various programmes and chains of events, the context of the event in the programme unit, the viewing situation, the degree of reception of educational information, and the age of target audience had significant effect on children's direct reactions. On the basis of the above research results the TV-series 'Noppa' (die) is tested during 1973-74 with the aim of diminishing educational inequality among pre-school children in Kaarina (N=100).
TIME SCHEDULE	Starting date I/73 Date of completion IX/73
SOURCE OF FINANCE	The National Board of Education FM 4000 Liikanen FM 1000 (collection of material) The education office of Kaarina FM 300/the Department of Psychology: video-tapes and equipment
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung televised teaching / enseignement televise / Fernsehunterricht school readiness / maturite scolaire / Schulreife

134.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kolttasaamelaisten lasten koulumenestykseen vaikuttavista tekijöistä Factors affecting the school achievement of Skolt Lapp children
ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Seitamo, Leila, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study factors affecting education in connection with the development of the education of Lapps. 1. To describe educational factors in the following areas: non-verbal and verbal intelligence, visual motor behaviour, motor behaviour, school motivation, school achievement, education as part of general culture. 2. To study factors affecting school achievement in 1968-69 and to carry out a follow-up study three years later. Subjects in the intensive group: all Skolt Lapp children of the age of compulsory education in Sevettijärvi in 1968-69; initial measurements were carried out in 1968-69 and the measurement of school achievements three years later (80). The extensive group: all Lapp children of the age of 2-15 years in Sevettijärvi and Nellimi in the same year (140). Control group: a corresponding group of children in northern Finland. Measuring instruments: WISC. KTK A_3, B_3, Bender, Oseretzky, evaluations by teachers and pupils, drawing tests, school marks, school achievement tests (I-III grades), half-structured interview of parents. In the description of educational factors: the significance tests of group differences, discriminant analyses, factor analyses; in the explanatory part: correlation analysis and regression analysis. A study commissioned by the National Board of Education, leader of the study prof. Isto Ruoppila. The study is a continuation to studies started by the researcher as a member of a working party on children's clinic of Oulu university (BP/Ha-project) in 1967-70. Application of results: the researcher is a member of a working party for the development of learning material for Lapps set up by the National Board of Education
TIME SCHEDULE	Starting date VI/ 72 Probable completion date XII/ 74
SOURCE OF FINANCE	The National Board of Education: FM 6.000 in 1972, FM 9.000 in 1973.
DESCRIPTORS	achievement / rendement / Leistung development policy / politique de developpement / Entwicklungspolitik national minority / minorite nationale / nationale Minderheit

ORGANISATION/INSTITUTE	Jyväskylän yliopisto. Psykologian laitos Institute of Psychology, University of Jyväskylä
RESEARCHERS	Seitamo, Leila, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study factors affecting education in connection with the development of the education of Lapps. 1. To describe educational factors in the following areas: non-verbal and verbal intelligence, visual motor behaviour, motor behaviour, school motivation, school achievement, education as part of general culture. 2. To study factors affecting school achievement in 1968-69 and to carry out a follow-up study three years later. Subjects in the intensive group: all Skolt Lapp children of the age of compulsory education in Sevettijärvi in 1968-69; initial measurements were carried out in 1968-69 and the measurement of school achievements three years later (80). The extensive group: all Lapp children of the age of 2-15 years in Sevettijärvi and Nellimi in the same year (140). Control group: a corresponding group of children in northern Finland. Measuring instruments: WISC. KTK A_3, B_3, Bender, Oseretzky, evaluations by teachers and pupils, drawing tests, school marks, school achievement tests (I-III grades), half-structured interview of parents. In the description of educational factors: the significance tests of group differences, discriminant analyses, factor analyses; in the explanatory part: correlation analysis and regression analysis. A study commissioned by the National Board of Education, leader of the study prof. Isto Ruoppila. The study is a continuation to studies started by the researcher as a member of a working party on children's clinic of Oulu university (BP/Ha project) in 1967-70. Application of results: the researcher is a member of a working party for the development of learning material for Lapps set up by the National Board of Education
TIME SCHEDULE	Starting date VI/72 Probable completion date XII/74
SOURCE OF FINANCE	The National Board of Education: FM 6.000 in 1972, FM 9.000 in 1973.
DESCRIPTORS	achievement / rendement / Leistung development policy / politique de developpement / Entwicklungspolitik national minority / minorite nationale / nationale Minderheit

263

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Opettajien viikkotuntimääriä ja ylitunteja koskeva selvitys Report on teachers' weekly lessons and overtime lessons
ORGANISATION/INSTITUTE	Kouluhallitus. Suunnittelutoimisto National Board of Education, Planning Bureau
RESEARCHERS	Mällinen, Riitta, M.A.
BIBLIOGRAPHIC REFERENCE	Mällinen, Riitta, Opettajien viikkotuntimääriä ja ylitunteja koskeva selvitys. Kouluhallitus. Suunnittelutoimisto. Report B 38, 1973, 34 p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A study commissioned by the Ministry of Finance - teachers' salaries The purpose was to study the composition of the total amount of teachers' weekly hours and the proportion of overtime in it. The study was based on a sample of state and private secondary schools and communal junior secondary schools, but it included all the senior levels of experimental comprehensive schools. The study concerned the situation in the autumn term 1971. According to the results the total number of teachers' weekly hours is determined by school type, situation of the school, teacher's sex and main subject. The number of teacher's overtime hours was essentially dependent on his official title, situation of the school and teacher's sex. The results of the study are in the main descriptive rather than explanatory. For the use of the Ministry of Finance in the collective bargaining between the teachers' associations and the State.
TIME SCHEDULE	Starting date IX/ 71 Date of completion I /73
SOURCE OF FINANCE	The study has been carried out during office hours
DESCRIPTORS	teacher / enseignant / Lehrer working conditions / conditions de travail / Arbeitsbedingungen cost of education / cout de l'education / Bildungs-

ORGANISATION/INSTITUTE	Kouluhallitus. Suunnittelutoimisto National Board of Education, Planning Bureau
RESEARCHERS	Mällinen, Riitta, M.A.
BIBLIOGRAPHIC REFERENCE	Mällinen, Riitta, Opettajien viikkotuntimääriä ja ylitunteja koskeva selvitys. Kouluhallitus. Suunnittelutoimisto. Report B 38, 1973, 34 p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A study commissioned by the Ministry of Finance - teachers' salaries The purpose was to study the composition of the total amount of teachers' weekly hours and the proportion of overtime in it. The study was based on a sample of state and private secondary schools and communal junior secondary schools, but it included all the senior levels of experimental comprehensive schools. The study concerned the situation in the autumn term 1971. According to the results the total number of teachers' weekly hours is determined by school type, situation of the school, teacher's sex and main subject. The number of teacher's overtime hours was essentially dependent on his official title, situation of the school and teacher's sex. The results of the study are in the main descriptive rather than explanatory. For the use of the Ministry of Finance in the collective bargaining between the teachers' associations and the State.
TIME SCHEDULE	Starting date IX/ 71 Date of completion I /73
SOURCE OF FINANCE	The study has been carried out during office hours
DESCRIPTORS	teacher / enseignant / Lehrer working conditions / conditions de travail / Arbeitsbedingungen cost of education / cout de l'education / Bildungskosten

136.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Lastentarhanopettajatarve. - Kunnallishallituksille ja päivähuoltolaitoksille osoitettuun kyselyyn perustuva laskelma Need for kindergarten teachers. - Evaluation based on a questionnaire to dayhomes and to urban and rural municipal councils
ORGANISATION/INSTITUTE	Kouluhallitus. Suunnittelutoimisto National Board of Education, Planning Bureau
RESEARCHERS	Nygård, Margareta, M.A.
BIBLIOGRAPHIC REFERENCE	Nygård, Margareta, Lastentarhanopettajatarve. Kunnallishallituksille ja päivähuoltolaitoksille osoitettuun kyselyyn perustuva laskelma, Kouluhallitus. Suunnittelutoimisto Report B 39. 18 p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A separate study. A working party set up by the Ministry of Education for ascertaining the need for kindergarten teachers has to some extent made use of the result. The purpose was to collect information about the present number of kindergarten teachers, the development of day care, municipalities' plans for 1972-80 for new day homes and new posts for kindergarten teachers, and factors affecting the evaluation of need of teachers. The inquiry consisted of two parts: one was addressed to urban and rural municipal councils, a total of 512, the other was addressed to the principals of day-homes with kindergarten teachers. The questionnaire was sent both in Finnish and Swedish versions. It is evaluated that the trainig of Finnish-speaking kindergarten teachers should be more than doubled. The training of Swedish-speaking teachers seems to be sufficient. Municipalities have taken the implementation difficulties into acccunt and have not always made plans up to 1980, so the obtained figures are to be regarded as minium figures. The evaluation shows that great increase in training is required in order to meet the need for Finnish-speaking kindergarten teachers, and that doubled kindergarten teacher training must be regarded as a minium.
TIME SCHEDULE	Starting date V /72 Date of completion IX/ 73
SOURCE OF FINANCE	The study has been carried out during office hours
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung teacher education / formation des enseignants / Lehrerbildung

	- Evaluation based on a questionnaire to dayhomes and to urban and rural municipal councils
ORGANISATION/INSTITUTE	Kouluhallitus. Suunnittelutoimisto National Board of Education, Planning Bureau
RESEARCHERS	Nygård, Margareta, M.A.
BIBLIOGRAPHIC REFERENCE	Nygård, Margareta, Lastentarhanopettajatarve. Kunnallishallituksille ja päivähuoltolaitoksille osoitettuun kyselyyn perustuva laskelma, Kouluhallitus. Suunnittelutoimisto Report B 39. 18 p.
BACKGROUND, AIMS	A separate study. A working party set up by the Ministry of Education for ascertaining the need for kindergarten teachers has to some extent made use of the result. The purpose was to collect information about the present number of kindergarten teachers, the development of day care, municipalities' plans for 1972-80 for new day homes and new posts for kindergarten teachers, and factors affecting the evaluation of need of teachers.
SAMPLE METHODS	The inquiry consisted of two parts: one was addressed to urban and rural municipal councils, a total of 512, the other was addressed to the principals of day-homes with kindergarten teachers. The questionnaire was sent both in Finnish and Swedish versions.
MAIN FINDINGS	It is evaluated that the trainig of Finnish-speaking kindergarten teachers should be more than doubled. The training of Swedish-speaking teachers seems to be sufficient. Municipalities have taken the implementation difficulties into account and have not always made plans up to 1980, so the obtained figures are to be regarded as minium figures. The evaluation shows that great increase in training is required in order to meet the need for Finnish-speaking kindergarten teachers, and that doubled kindergarten teacher training must be regarded as a minium.
TIME SCHEDULE	Starting date V /72 Date of completion IX/ 73
SOURCE OF FINANCE	The study has been carried out during office hours
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung teacher education / formation des enseignants / Lehrerbildung national planning / planification nationale

PROJECT TITLE:	Developmental study on pupils in northern Finland
CARRIED OUT AT:	Institute of Behavioral Sciences, University of Oulu (see SF 108/1973)
RESEARCHERS	Kyöstiö, O.K., Prof. Jussila, Martti, Ph.D. Vaherva, Tapio, Ph.D.
DESCRIPTORS	achievement / rendement / Leistung physical development / developpement physique / körperliche Entwicklung cognitive development / developpement cognitif / kognitive Entwicklung personality development / developpement de la personnalite / Persönlichkeitsentwicklung

38.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Suomalaisten siirtolaisoppilaiden kielellinen kehitys ja koulumenestys ruotsalaisessa peruskoulussa The verbal development and school achievements of Finnish immigrant children in Sweden
ORGANISATION/INSTITUTE	Oulun yliopisto. Käyttäytymistieteiden laitos Institute of Behavioral Sciences, University of Oulu
RESEARCHERS	Toukomaa, Pertti, D.Soc.Sc.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Behavioral Sciences, University of Oulu
BACKGROUND, AIMS	The purpose is to study the development and learning conditions of Finnish pupils in Swedish schools, among other things the significance of the mastery of the mother tongue for the learning of Swedish and for school achievement in general.
SAMPLE	Subjects: all 350 Finnish pupils in the comprehensive school (1-9 grades) of the town of Olofström.
METHODS	Measuring instruments: Tasola's and Heinonen's test batteries and the corresponding Swedish test batteries (WIT I-III) and a vocabulary test designed on the basis of Karvonen et al's Teacher's Vocabulary book. In addition, school marks in the school year 1971-72. The control material was from municipalities with Finnish classes. A separate study.
TIME SCHEDULE	Starting date VII/I 71 Probable completion date __/__
SOURCE OF FINANCE	A grant of FM 2.279 from the Social Science Research Council for the hiring of assistants. Main part of material was collected when the author worked as a school psychologist in Sweden in 1971-72.
DESCRIPTORS	bilingualism / bilinguisme / Zweisprachigkeit language development / developpement du langage / Sprachentwicklung immigrant / immigrant / Einwanderer achievement / rendement / Leistung

ORGANISATION/INSTITUTE	Oulun yliopisto. Käyttäytymistieteiden laitos Institute of Behavioral Sciences, University of Oulu
RESEARCHERS	Toukomaa, Pertti, D.Soc.Sc.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Behavioral Sciences, University of Oulu
BACKGROUND, AIMS	The purpose is to study the development and learning conditions of Finnish pupils in Swedish schools, among other things the significance of the mastery of the mother tongue for the learning of Swedish and for school achievement in general.
SAMPLE	Subjects: all 350 Finnish pupils in the comprehensive school (1-9 grades) of the town of Olofström.
METHODS	Measuring instruments: Tasola's and Heinonen's test batteries and the corresponding Swedish test batteries (WIT I-III) and a vocabulary test designed on the basis of Karvonen et al's Teacher's Vocabulary book. In addition, school marks in the school year 1971-72. The control material was from municipalities with Finnish classes. A separate study.
TIME SCHEDULE	Starting date VII/I 71 Probable completion date __/__
SOURCE OF FINANCE	A grant of FM 2.279 from the Social Science Research Council for the hiring of assistants. Main part of material was collected when the author worked as a school psychologist in Sweden in 1971-72.
DESCRIPTORS	bilingualism / bilinguisme / Zweisprachigkeit language development / developpement du langage / Sprachentwicklung immigrant / immigrant / Einwanderer achievement / rendement / Leistung

273

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Aikuiskoulutus Suomessa: käsitykset ja käyttö Adult education in Finland: attitudes and participation
ORGANISATION/INSTITUTE	Tampereen yliopisto. Tutkimuslaitos Research Institute, University of Tampere
RESEARCHERS	Lehtonen, Heikki, M.A. Tuomisto, Jukka, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to get a general view of what kind of pressures the adult population puts on the educational system, what kind of educational services it expects, and what kind of obstacles there are in the way of potential study activity. The area of spare-time studies with flexible objectives is emphasized in the study. Special attention is paid to the phenomen of study passiveness, the social and regional structure of non-participation and its reasons and background variables. The study is based on a sample of an inquiry sent by post to 2177 persons, and a sample of interviews of 595 persons selected from them. The data was collected at the end of 1972 and at the beginning of 1973. The population was all Finns over sixteen. The most central measuring instruments were: expectations, participation and its reasons and obstacles, the possibilities to use the acquired knowledge, information about educational services and the corresponding services. The frame of reference of the study was a theoretically developed model describing the process of activation. In each phase of the process model the factors which prevent participation have been taken into consideration. In addition, measures needed for activation are suggested at each phase. A study commissioned by the Adult Education Committee.
TIME SCHEDULE	Starting date V / 72 Probable completion date XI / 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	adult education / education des adultes / Erwachsenenbildung user / utilisateur / Benutzer participation / participation / Beteiligung

ORGANISATION/INSTITUTE	Tampereen yliopisto. Tutkimuslaitos Research Institute, University of Tampere
RESEARCHERS	Lehtonen, Heikki, M.A. Tuomisto, Jukka, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to get a general view of what kind of pressures the adult population puts on the educational system, what kind of educational services it expects, and what kind of obstacles there are in the way of potential study activity. The area of spare-time studies with flexible objectives is emphasized in the study. Special attention is paid to the phenomen of study passiveness, the social and regional structure of non-participation and its reasons and background variables. The study is based on a sample of an inquiry sent by post to 2177 persons, and a sample of interviews of 595 persons selected from them. The data was collected at the end of 1972 and at the beginning of 1973. The population was all Finns over sixteen. The most central measuring instruments were: expectations, participation and its reasons and obstacles, the possibilities to use the acquired knowledge, information about educational services and the corresponding services. The frame of reference of the study was a theoretically developed model describing the process of activation. In each phase of the process model the factors which prevent participation have been taken into consideration. In addition, measures needed for activation are suggested at each phase. A study commissioned by the Adult Education Committee.
TIME SCHEDULE	Starting date V /72 Probable completion date XI / 73
SOURCE OF FINANCE	Ministry of Education
DESCRIPTORS	adult education / education des adultes / Erwachsenenbildung user / utilisateur / Benutzer participation / participation / Beteiligung

275

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Kansalaisopisto organisaationa Civic institute as an organization
ORGANISATION/INSTITUTE	Tampereen yliopisto. Aikuiskasvatuksen laitos Institute of Adult Education, University of Tampere
RESEARCHERS	Lehtonen, Heikki , M.A. Tuomisto, Jukka , M.A.
BIBLIOGRAPHIC REFERENCE	Lehtonen, Heikki & Tuomisto, Jukka, Kansalaisopisto organisaationa. Tampereen yliopisto. Aikuiskasvatuksen laitos. Report 3, 1973, 54p, ISBN 951-44-0105-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This study deals with the civic institute organization and its activity. The study was based on group inquiry material which was collected in autumn 1972 in two civic institutes in southern Finland. In this study the following picture of the civic institute as an organization has emerged: 1) Civic institutes seem to have qualifications for rational activity, if individual study objectives are regarded as the aim, because teachers' ideas about students' objectives correspond to students' ideas and the work of the organization has become differentiated for the attainment of different study objectives. 2) Students and teachers of civic institutes experience teaching as rational and useful. They are also remarkably satisfied with teaching. 3) Studies in the civic institute proved very unorganized and entertainment centred from the viewpoint of objectives. 4) The directing and controlling influence of the principle of operation proved small. 5) The attachment of teachers and students to civic institutes is loose. Attachment appears mainly within study circles. 6) Although qualifications for rational activity seem to exist, the activity of the civic institute organization is ineffective due to numerous drop-outs, which makes the work more difficult. 7) As a social institute providing cultural services the recruitment ability of the civic institute is weak. 8) The functioning ability of the civic institute proved inadequate with regard to entrance to the civic institute.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	adult education / education des adultes / Erwachsenenbildung adult education institute / universite populaire / Volkshochschule

ORGANISATION/INSTITUTE	Tampereen yliopisto. Aikuiskasvatuksen laitos Institute of Adult Education, University of Tampere
RESEARCHERS	Lehtonen, Heikki , M.A. Tuomisto, Jukka , M.A.
BIBLIOGRAPHIC REFERENCE	Lehtonen, Heikki & Tuomisto, Jukka, Kansalaisopisto organisaationa. Tampereen yliopisto. Aikuiskasvatuksen laitos. Report 3, 1973, 54p, ISBN 951-44-0105-0
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This study deals with the civic institute organization and its activity. The study was based on group inquiry material which was collected in autumn 1972 in two civic institutes in southern Finland. In this study the following picture of the civic institute as an organization has emerged: 1) Civic institutes seem to have qualifications for rational activity, if individual study objectives are regarded as the aim, because teachers' ideas about students' objectives correspond to students' ideas and the work of the organization has become differentiated for the attainment of different study objectives. 2) Students and teachers of civic institutes experience teaching as rational and useful. They are also remarkably satisfied with teaching. 3) Studies in the civic institute proved very unorganized and entertainment centred from the viewpoint of objectives. 4) The directing and controlling influence of the principle of operation proved small. 5) The attachment of teachers and students to civic institutes is loose. Attachment appears mainly within study circles. 6) Although qualifications for rational activity seem to exist, the activity of the civic institute organization is ineffective due to numerous drop-outs, which makes the work more difficult. 7) As a social institute providing cultural services the recruitment ability of the civic institute is weak. 8) The functioning ability of the civic institute proved inadequate with regard to entrance to the civic institute.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	adult education / education des adultes / Erwachsenenbildung adult education institute / universite populaire / Volkshochschule

277

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Aikuiskasvatuksen tavoitteet ja niiden toteutuminen Suomen aikuiskasvatusjärjestelmässä The objectives of adult education and their realization in the Finnish adult education system
ORGANISATION/INSTITUTE	Tampereen yliopisto. Aikuiskasvatuksen laitos Institute of Adult Education, University of Tampere
RESEARCHERS	Tuomisto, Jukka, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study theoretically the objectives that are or should be the basis for the planning and development of the adult education system. It is studied empirically how well the present system realizes the objectives that are set for it or can be set for it. The study is in the planning stage. A thesis (Licentiate)
TIME SCHEDULE	Starting date __/__73 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	adult education / education des adultes / Erwachsenenbildung aims of education / finalite de l'education / Erziehungsziel

ORGANISATION/INSTITUTE	Tampereen yliopisto. Aikuiskasvatuksen laitos Institute of Adult Education, University of Tampere
RESEARCHERS	Tuomisto, Jukka, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study theoretically the objectives that are or should be the basis for the planning and development of the adult education system. It is studied empirically how well the present system realizes the objectives that are set for it or can be set for it. The study is in the planning stage. A thesis (Licentiate)
TIME SCHEDULE	Starting date __/__73 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	adult education / education des adultes / Erwachsenen bildung aims of education / finalite de l'education / Erziehungsziel evaluation / evaluation / Evaluation

279

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Yhteispohjoismainen nuorisoliikuntatutkimus A study on the physical activity of young people in the Scandinavian countries
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Heikkinen, Väinö, Ph.D. Kalliokoski, Antti, Lic.Ph. Suonperä, Matti, Lic.Ph. (Laurén, Leena, M.A., assistant)
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to describe the physical activity during leisure time of 8-12-year-old girls and boys b) to study what kind of relationship there is between some individual factors, factors of the social and physical environment, and the physical activity during leisure time, c) to compare the main results of the Finnish research material and research material collected in other Scandinavian countries. A follow-up study: children who start the second form of the primary school in autumn 1973 (N=2300) in Tampere are followed for five years. In the first years data is acquired by means of interviews. At the beginning the emphasis is on finding the factors of social and physical environment that are connected with physical activity. Cooperation between Finland, Sweden, Denmark and Norway. In Finland both separate studies and theses in pedagogics are carried out.
TIME SCHEDULE	Starting date V/72 Probable completion date __/__
SOURCE OF FINANCE	In 1972 the Ministry of Education has given a grant for the drawing up of the research plan.
DESCRIPTORS	sport / sport / sport interest / interet / Interesse youth attitude / attitude de la jeunesse / Einstellung

ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Heikkinen, Väinö, Ph.D. Kalliokoski, Antti, Lic.Ph. Suonperä, Matti, Lic.Ph. (Laurén, Leena, M.A., assistant)
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is 1) to describe the physical activity during leisure time of 8-12-year-old girls and boys b) to study what kind of relationship there is between some individual factors, factors of the social and physical environment, and the physical activity during leisure time, c) to compare the main results of the Finnish research material and research material collected in other Scandinavian countries. A follow-up study: children who start the second form of the primary school in autumn 1973 (N=2300) in Tampere are followed for five years. In the first years data is acquired by means of interviews. At the beginning the emphasis is on finding the factors of social and physical environment that are connected with physical activity. Cooperation between Finland, Sweden, Denmark and Norway. In Finland both separate studies and theses in pedagogics are carried out.
TIME SCHEDULE	Starting date V / 72 Probable completion date __/__
SOURCE OF FINANCE	In 1972 the Ministry of Education has given a grant for the drawing up of the research plan.
DESCRIPTORS	sport / sport / sport interest / interet / Interesse youth attitude / attitude de la jeunesse / Einstellung scandinavia / scandinavie / Skandinavien

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Yliopisto-opiskelumenestyksen ennustaminen ensimmäisen opintovuoden käyttäytymisellä The prediction of success in university studies during the first year of study at the university
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Kalliokoski, Antti, Lic.Ph.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to predict later achievement and drop-out by means of measurements carried out during the first year of study (performances in the autumn term and in the spring term, study-guidance, satisfaction in various areas, clarity of study plans, the extent to which subject is taught in the form of courses). Subjects: In the final study about 250 students of the 1000 students who started their studies in the faculties of the University of Tampere in 1967. Information on achievements collected from the register of the university by 1972: the dependent variable. Independent variables are some of the above mentioned factors. The model is mainly based on regression-analysis. A thesis (prof. V. Heikkinen).
TIME SCHEDULE	Starting date __/__ Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	achievement / rendement / Leistung higher education / enseignement superieur / Hochschulbildung

144.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Peruskoulun 3. luokkalaisten englannin kielen ääntämistaidon rakenne The structure of the skill to pronounce English in the 3rd form of the Finnish comprehensive school
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Lehtovaara, Jorma, M.A. Lehtovaara, Maija-Leena, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to study the structure of the English pronounciation skill and the relationships between its components and certain individual factors of students.
SAMPLE	Subjects: 210 pupils, age 9 years in the third form of a primary school applying the comprehensive school curriculum in Tampere.
METHODS	An attempt is made to explain the command of different sub-areas of the pronounciation skill by means of certain individual characteristics of pupils. A separate study and thesis (prof. Heikkinen).
TIME SCHEDULE	Starting date II/ 72 Probable completion date V / 73
SOURCE OF FINANCE	The National Board of Education finances the collection of material.
DESCRIPTORS	pronunciation / prononciation / Aussprache second language / premiere langue / erste Fremdsprache English / anglais / Englisch

ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Lehtovaara, Jorma, M.A. Lehtovaara, Maija-Leena, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS	The purpose is to study the structure of the English pronounciation skill and the relationships between its components and certain individual factors of students.
SAMPLE	Subjects: 210 pupils, age 9 years in the third form of a primary school applying the comprehensive school curriculum in Tampere.
METHODS	An attempt is made to explain the command of different sub-areas of the pronounciation skill by means of certain individual characteristics of pupils. A separate study and thesis (prof. Heikkinen).
TIME SCHEDULE	Starting date II/ 72 Probable completion date V / 73
SOURCE OF FINANCE	The National Board of Education finances the collection of material.
DESCRIPTORS	pronunciation / prononciation / Aussprache second language / premiere langue / erste Fremdsprache English / anglais / Englisch

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Valtion henkilöstökoulutus kustannushyötykysymyksenä The in-service training of state employees as a cost-benefit problem
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Lintonen, Osmo, M.Soc.Sc.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the in-service training of state employees as part of economic activity and planning with regard also to the cost-benefit-analytical approach. The study is divided into three parts: 1. A goal-oriented planning system of employee in-service training. 2. A system of total evaluation connected with the planning system. 3. A cost-benefit study based on calculations. The study concerns all state training activity carried out in the form of training courses. Part I is the researcher's licentiate dissertation (prof. Väinö Heikkinen) parts II and III are personal studies.
TIME SCHEDULE	Starting date IV/ 73 Probable completion date __/__
SOURCE OF FINANCE	So far the researcher has financed the study.
DESCRIPTORS	cost-benefit analysis / analyse cout-avantage / Kosten-Nutzenanalyse personnel management / gestion du personnel / Personalverwaltung

ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Lintonen, Osmo, M.Soc.Sc.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the in-service training of state employees as part of economic activity and planning with regard also to the cost-benefit-analytical approach. The study is divided into three parts: 1. A goal-oriented planning system of employee in-service training. 2. A system of total evaluation connected with the planning system. 3. A cost-benefit study based on calculations. The study concerns all state training activity carried out in the form of training courses. Part I is the researcher's licentiate dissertation (prof. Väinö Heikkinen) parts II and III are personal studies.
TIME SCHEDULE	Starting date IV/73 Probable completion date __/__
SOURCE OF FINANCE	So far the researcher has financed the study.
DESCRIPTORS	cost-benefit analysis / analyse cout-avantage / Kosten-Nutzenanalyse personnel management / gestion du personnel / Personalverwaltung in-service training / formation en cours d'emploi /

146.

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Tavoitetaksonomioiden käyttö opetussuunnitelmassa ja tavoitteen saavuttamisen kontrolloinnissa The use of the taxonomies of educational objectives in the curriculum and the assessment of objective attainment
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos. Institute of Education, University of Tampere
RESEARCHERS	Sauri, Markus, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to develop a taxonomy model on the basis of Bloom's taxonomy system for vocational instruction and to test its feasibility by means of an example. Thesis (Licentiate of Philosophy)
TIME SCHEDULE	Starting date __/73 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel teaching objective / objectif pedagogique / Lehrziel curriculum / programme d'etudes / Bildungsplan

	curriculum and the assessment of objective attainment
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos. Institute of Education, University of Tampere
RESEARCHERS	Sauri, Markus, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to develop a taxonomy model on the basis of Bloom's taxonomy system for vocational instruction and to test its feasibility by means of an example. Thesis (Licentiate of Philosophy)
TIME SCHEDULE	Starting date __/73 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel teaching objective / objectif pedagogique / Lehrziel curriculum / programme d'etudes / Bildungsplan evaluation / evaluation / Evaluation

288

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Opettajaopiston opetussuunnitelma opettajakokelaiden arvioimana: Ammattikoulujen Hämeenlinnan opettajaopiston opetussuunnitelman tarkoituksenmukaisuuden ja toteutumisen tarkastelua opettajakokelaiden käsitysten perusteella The curriculum of a Teacher Training College evaluated by the teacher trainees
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos. Institute of Education, University of Tampere
RESEARCHERS	Suonperä, Matti, Ph.D.
BIBLIOGRAPHIC REFERENCE	Suonperä, Matti, Opettajaopiston opetussuunnitelma opettajakokelaiden arvioimana. Tampereen yliopisto. Kasvatustieteen laitos. 1973. A 4 149 s.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpoes is to study the relevancy and the realization of the curriculum in the Vocational Teacher Training College of Hämeenlinna on the basis of teacher trainees' opinions. Subjects: teacher trainees from the Vocational Teacher Training College of Hämeenlinna. Measuring instruments: rating sheet, personality test, questionnaire, student register. Design: teacher trainees' evaluation of the curriculum based on their own teaching experience. Analyse: Principal component, factor, regression and variance analyses, w^2, x^2, t-test. Dissertation
TIME SCHEDULE	Starting date I /72 Date of completion VII/ 73
SOURCE OF FINANCE	A cultural foundation, town, National Board of Vocational Education
DESCRIPTORS	curriculum / programme d'etudes / Bildungsplan evaluation / evaluation / Evaluation teacher education / formation des enseignants / Lehrerbildung

	The curriculum of a Teacher Training College evaluated by the teacher trainees
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos. Institute of Education, University of Tampere
RESEARCHERS	Suonperä, Matti, Ph.D.
BIBLIOGRAPHIC REFERENCE	Suonperä, Matti, Opettajaopiston opetussuunnitelma opettajakokelaiden arvioimana. Tampereen yliopisto. Kasvatustieteen laitos. 1973. A 4 149 s.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The purpoes is to study the relevancy and the realization of the curriculum in the Vocational Teacher Training College of Hämeenlinna on the basis of teacher trainees' opinions. Subjects: teacher trainees from the Vocational Teacher Training College of Hämeenlinna. Measuring instruments: rating sheet, personality test, questionnaire, student register. Design: teacher trainees' evaluation of the curriculum based on their own teaching experience. Analyse: Principal component, factor, regression and variance analyses, w^2, x^2, t-test. Dissertation
TIME SCHEDULE	Starting date I /72 Date of completion VII/ 73
SOURCE OF FINANCE	A cultural foundation, town, National Board of Vocational Education
DESCRIPTORS	**curriculum / programme d'etudes / Bildungsplan** **evaluation / evaluation / Evaluation** **teacher education / formation des enseignants / Lehrerbildung**

148.

290

COUNTRY Finland

DATE December 1973

COMPLETED RESEARCH

TITLE OF THE RESEARCH Koulujärjestelmäkeskustelu opettajain ammattilehdissä vuosina 1946-1968

The school system debate in teachers' professional journals in 1946-1968

ORGANISATION/INSTITUTE Tampereen yliopisto. Kasvatustieteen laitos

Institute of Education, University of Tampere

RESEARCHERS Telemäki, Matti, Lic.Ph.

BIBLIOGRAPHIC REFERENCE Telemäki, Matti, Koulujärjestelmäkeskustelu opettajain ammattilehdissä vuosina 1946-1968. Tampereen yliopisto. Kasvatustieteen laitos, 1973, Report A:5. 111 p.

BACKGROUND, AIMS

SAMPLE

METHODS

MAIN FINDINGS

A Ph.D. thesis, prof. Väinö Heikkinen

The purpose was to study different teacher groups: the school system debate and its pedagogical contents in professional journals representing primary school, secondary school and vocational school teachers (Opettajain lehti, Oppikoululehti, Skolnytt and Ammattikasvatus) in 1946-68.

The point of departure and the frame of reference consisted of the following conceptual scheme:

```
                      education
                      formalism
                        skills
uniform                   |             specialising
socialisation     --------+--------     personalisation
general education         |             differentianted
                      knowledge
                      materialism
                      teaching
```

The study was based on contents analysis: object and argumentation analysis mainly. Unit of observation: article (N=374).

TIME SCHEDULE Starting date I / 72 Date of completion XII 73

SOURCE OF FINANCE A grant (FM 3000) given by the Pirkanmaa fund of the Finnish Cultural Foundation

DESCRIPTORS

school system / systeme scolaire / Schulsystem

teachers' organization / organisation d'enseignants / Lehrerorganisation

debate / debat / Debatte

aims of education / finalite de l'education in 1946-1968

ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Telemäki, Matti, Lic.Ph.
BIBLIOGRAPHIC REFERENCE	Telemäki, Matti, Koulujärjestelmäkeskustelu opettajain ammattilehdissä vuosina 1946-1968. Tampereen yliopisto. Kasvatustieteen laitos, 1973, Report A:5. 111 p.

BACKGROUND, AIMS

SAMPLE

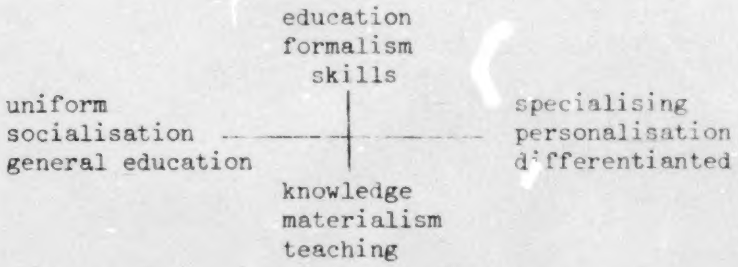
METHODS

MAIN FINDINGS

A Ph.D. thesis, prof. Väinö Heikkinen

The purpose was to study different teacher groups: the school system debate and its pedagogical contents in professional journals representing primary school, secondary school and vocational school teachers (Opettajain lehti, Oppikoululehti, Skolnytt and Ammattikasvatus) in 1946-68.

The point of departure and the frame of reference consisted of the following conceptual scheme:


education
formalism
skills
uniform
socialisation
general education
specialising
personalisation
differentianted
knowledge
materialism
teaching

The study was based on contents analysis: object and argumentation analysis mainly. Unit of observation: article (N=374).

TIME SCHEDULE	Starting date I / 72 Date of completion XII / 73
SOURCE OF FINANCE	A grant (FM 3000) given by the Pirkanmaa fund of the Finnish Cultural Foundation
DESCRIPTORS	school system / systeme scolaire / Schulsystem teachers' organization / organisation d'enseignants / Lehrerorganisation debate / debat / Debatte aims of education / finalite de l'education

292

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Ammattikoulunopettajainvalmistukseen hakeutuminen ja menestyminen opettajainvalmistuslaitoksessa Enrolment and achievement in the Vocational Teacher Training College
ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Viskari, Sinikka, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the enrolment at the Vocational Teacher Training College and achievement in the teacher training college. The study concerns two classes of the Vocational Teacher Training College in the school year 1971-1972; a total of 107 students. Information was collected from students regarding personality, previous experience (work and teaching experience), reasons for enrolling and achievement in training. Methods of analysis: means, correlations and regression analysis. Licentiate thesis - prof. Heikkinen.
TIME SCHEDULE	Starting date V/__ 72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	achievement / rendement / Leistung teacher education / formation des enseignants / Lehrerbildung recruitment / recrutement / Anwerbung vocational education / enseignement professionnel

ORGANISATION/INSTITUTE	Tampereen yliopisto. Kasvatustieteen laitos Institute of Education, University of Tampere
RESEARCHERS	Viskari, Sinikka, M.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the enrolment at the Vocational Teacher Training College and achievement in the teacher training college. The study concerns two classes of the Vocational Teacher Training College in the school year 1971-1972; a total of 107 students. Information was collected from students regarding personality, previous experience (work and teaching experience), reasons for enrolling and achievement in training. Methods of analysis: means, correlations and regression analysis. Licentiate thesis - prof. Heikkinen.
TIME SCHEDULE	Starting date V/__72 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	achievement / rendement / Leistung teacher education / formation des enseignants / Lehrerbildung recruitment / recrutement / Anwerbung vocational education / enseignement professionnel

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Alisuorittamisen koulukohtaisena ongelmana ja mahdollisuudet tilanteen korjaamiseen Problems of underachievement in one secondary school and possibilities for improvning the situation
ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Scientific leader: Nummenmaa, Tapio, professor Responsible researcher: Vikman, Timo, Research assistant
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the problems of underachievement in one secondary school, and to find ways to reduce underachievement. Information has been collected by interviewing pupils, teachers and parents. The school register has been consulted for information on parents' vocational distributions. Variance has been produced by means of an one-month-experimentation, in which teachers' knowledge of pupils, cooperation between the school and the home, and teachers' and pupils' cooperative planning of instruction has been increased. This is part of the study "Effects of social background on the selection of educational careers."
TIME SCHEDULE	Starting date I / 73 Probable completion date _/_
SOURCE OF FINANCE	Financed by the National Board of Education (FM 10.000)
DESCRIPTORS	failure / ecec / Misserfolg secondary education / enseignement secondaire / Sekundarbildung social environment / milieu social / Sozialmilieu

ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Scientific leader: Nummenmaa, Tapio, professor Responsible researcher: Vikman, Timo, Research assistant
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the problems of underachievement in one secondary school, and to find ways to reduce underachievement. Information has been collected by interviewing pupils, teachers and parents. The school register has been consulted for information on parents' vocational distributions. Variance has been produced by means of an one-month-experimentation, in which teachers' knowledge of pupils, cooperation between the school and the home, and teachers' and pupils' cooperative planning of instruction has been increased. This is part of the study "Effects of social background on the selection of educational careers."
TIME SCHEDULE	Starting date I / 73 Probable completion date _/_
SOURCE OF FINANCE	Financed by the National Board of Education (FM 10.000)
DESCRIPTORS	failure / ecec / Misserfolg secondary education / enseignement secondaire / Sekundarbildung social environment / milieu social / Sozialmilieu

296

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Esikouluikäinen television lastenohjelmien katselijana. Tutkimus 3-6 -vuotiaille tarkoitettujen lastenohjelmien katselutilanteesta ja perillemenosta Pre-school children watching TV-programmes
ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor Hirvonen, Tuula, Research assistant Mikkola, Sinikka, " " Rönkkö, Tapio, " " Vanhalakka, Marjatta " " Äikäs, Leena, Research assistant
BIBLIOGRAPHIC REFERENCE	Tapio Nummenmaa et al, Esikouluikäinen television lastenohjelmien katselijana. Yleisradio, PTS-Research report B 6. 1973.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A M.A. thesis under the supervision of prof. Tapio Nummenmaa. The purpose was to study situations in which children's programmes are watched, the understanding of the programmes and factors affecting understanding. The study concerned programmes (5) for 2-4-year-old children and 5-6-year-old children. The emphasis was on programmes for the younger group. Both groups consisted of 40 children (20 experimentals - 20 controls). The programmes under study were watched together with the children in their homes. In the watching situation the factors studied were concentration in watching, amount of speech, and appearanc of emotional and motor reactions. As for understanding, the factors studied were the recalling of the events in the programmes and the use of words in the programmes. It was discovered that children watch short, well-organized parts wit concentration, they talk quite a lot about small details, they evaluate things, identify themselves with TV-figures and repeat words. Emotional and motor reactions occurred only to a small extent. Understanding was studied by means of photograph of the programmes. Children learnt central and repeated vocabulary from the programmes and they could tell and explain events in the photographs. The watching manner was discovered to be connected with the understanding of programme Understanding was connected with identification, acting along with the programmes, and evaluation of events. Understanding was manifested as action also after the programmes. Recommendations were made for informative programmes for 3-year-old children.
TIME SCHEDULE	Starting date IX/ 72 Date of completion VII / 73
SOURCE OF FINANCE	A grant of FM 4.000 from the National Board of Education The programmes of the study were financed by the Finnish Broadcasting Corporation.
DESCRIPTORS	pre-school child / enfant d'age pre-scolaire / Vorschulkind educational television / television d'enseignement / Schulfernsehen

ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor Hirvonen, Tuula, Research assistant Mikkola, Sinikka, " " Rönkkö, Tapio, " " Vanhalakka, Marjatta " " Äikäs, Leena, Research assistant
BIBLIOGRAPHIC REFERENCE	Tapio Nummenmaa et al, Esikouluikäinen television lastenohjelmien katselijana. Yleisradio, PTS-Research report B 6. 1973.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A M.A. thesis under the supervision of prof. Tapio Nummenmaa. The purpose was to study situations in which children's programmes are watched, the understanding of the programmes a factors affecting understanding. The study concerned programm (5) for 2-4-year-old children and 5-6-year-old children. The emphasis was on programmes for the younger group. Both groups consisted of 40 children (20 experimentals - 20 controls). Th programmes under study were watched together with the childre in their homes. In the watching situation the factors studied were concentration in watching, amount of speech, and appeara of emotional and motor reactions. As for understanding, the factors studied were the recalling of the events in the programmes and the use of words in the programmes. It was discovered that children watch short, well-organized parts wi concentration, they talk quite a lot about small details, the evaluate things, identify themselves with TV-figures and repeat words. Emotional and motor reactions occurred only to small extent. Understanding was studied by means of photograp of the programmes. Children learnt central and repeated vocabulary from the programmes and they could tell and explain events in the photographs. The watching manner was discovered to be connected with the understanding of programm Understanding was connected with identification, acting along with the programmes, and evaluation of events. Understanding was manifested as action also after the programmes. Recommendations were made for informative programmes for 3-year-old children.
TIME-SCHEDULE	Starting date IX/ 72 Date of completion VII / 73
SOURCE OF FINANCE	A grant of FM 4.000 from the National Board of Education The programmes of the study were financed by the Finnish Broadcasting Corporation.
DESCRIPTORS	pre-school child / enfant d'age pre-scolaire / Vorschulkind educational television / television d'enseignement Schulfernsehen

152.

COUNTRY	Finland
DATE	Decemeber 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Sosiaalisen taustan vaikutus koulutusteiden valintaan Effects of social background on the selection of educational careers
ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor (scientific leader) Koivisto, Tuija, Koskinen, Anja, Taavila, Ulla, Toivainen, Perho, Vikman, Timo (researchers)
BIBLIOGRAPHIC REFERENCE	Tapio Nummenmaa et al, Sosiaalisen taustan vaikutus koulutusteiden valintaan. Tampereen yliopisto. Psykologian laitos. Report 78. 1973. 111p. ISBN 951-44-0123-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A dissertation. The XXXIII international educational conference held in Geneva gave a recommendation for the study of the relationship between social background and educational careers in different countries. The purpose of the study was, first, to get a statistical picture of what are the proportions of children from different social classes in certain educational phases. Secondly, the aim was to study factors which cause these differences. There were 4219 subjects in the first, statistical phase. Information were collected from schools' student registers. There were 643 subjects in the material collected by interviews. The population consisted of pupils from the county of Häme. Results: The higher the social status of parents the higher the educational career chosen by children. Such characteristics of the family are connected with social status as appreciation of education, the family's wealth, the child's educational facilities, parents' intellectual hobbies etc.
TIME SCHEDULE	Starting date X/71 Date of completion III/73
SOURCE OF FINANCE	A grant of FM 10.000 from the National Board of Education
DESCRIPTORS	social environment / milieu social / Sozialmilieu level of qualification / niveau de qualification / Qualifikationsgrad aspiration / aspiration / Streben

ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor (scientific leader) Koivisto, Tuija, Koskinen, Anja, Taavila, Ulla, Toivainen, Perho, Vikman, Timo (researchers)
BIBLIOGRAPHIC REFERENCE	Tapio Nummenmaa et al, Sosiaalisen taustan vaikutus koulutusteiden valintaan. Tampereen yliopisto. Psykologian laitos. Report 78. 1973. 111p. ISBN 951-44-0123-9
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A dissertation. The XXXIII international educational conference held in Geneva gave a recommendation for the study of the relationship between social background and educational careers in different countries. The purpose of the study was, first, to get a statistical picture of what are the proportions of children from different social classes in certain educational phases. Secondly, the aim was to study factors which cause these differences. There were 4219 subjects in the first, statistical phase. Information were collected from schools' student registers. There were 643 subjects in the material collected by interviews. The population consisted of pupils from the county of Häme. Results: The higher the social status of parents the higher the educational career chosen by children. Such characteristics of the family are connected with social status as appreciation of education, the family's wealth, the child's educational facilities, parents' intellectual hobbies etc.
TIME SCHEDULE	Starting date X/71 Date of completion III/73
SOURCE OF FINANCE	A grant of FM 10.000 from the National Board of Education
DESCRIPTORS	social environment / milieu social / Sozialmilieu level of qualification / niveau de qualification / Qualifikationsgrad aspiration / aspiration / Streben

300

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Liikenneopetusohjelma esikouluikäisille ja koulutulokkaille Teaching road safety to children in the age range 5-7 years. Part II.
ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor Syvänen, Matti, Doc. Ruuhilehto, Kaarin, M.Soc.Sc.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to develop methods for the teaching of road safety in the pre-school and the first grade of the comprehensive school on the basis of a preliminary study carried out previously, to develop suitable teaching material for the use of parents, and also to develop cooperation between parents and the school in this area. A booklet was prepared for the use of teachers and children's parents to supplement a series of slides produced previously. Cooperation in the teaching of road safety was studied in three pre-school classes; 75 6-year-old children as well as their teachers and parents took part in the experimentation. The purpose of the experiment was to study how the booklet and teaching cooperation work in practice. The instruction given by children's parents was recorded, and in addition their opinions and proposals for revision were invited by means of a questionnaire. Parents were very keen on teaching cooperation and the booklet proved practical. The study is part of a project on the physical activity and road safety instruction of pre-school children.
TIME SCHEDULE	Starting date I_/_72 Probable completion date __/__
SOURCE OF FINANCE	A grant of FM 12.000 from the National Board of Education
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung safety education / enseignement de la securite / Sicherheitserziehung

ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor Syvänen, Matti, Doc. Ruuhilehto, Kaarin, M.Soc.Sc.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to develop methods for the teaching of road safety in the pre-school and the first grade of the comprehensive school on the basis of a preliminary study carried out previously, to develop suitable teaching material for the use of parents, and also to develop cooperation between parents and the school in this area. A booklet was prepared for the use of teachers and children's parents to supplement a series of slides produced previously. Cooperation in the teaching of road safety was studied in three pre-school classes; 75 6-year-old children as well as their teachers and parents took part in the experimentation. The purpose of the experiment was to study how the booklet and teaching cooperation work in practice. The instruction given by children's parents was recorded, and in addition their opinions and proposals for revision were invited by means of a questionnaire. Parents were very keen on teaching cooperation and the booklet proved practical. The study is part of a project on the physical activity and road safety instruction of pre-school children.
TIME SCHEDULE	Starting date I / 72 Probable completion date __/__
SOURCE OF FINANCE	A grant of FM 12.000 from the National Board of Education
DESCRIPTORS	pre-school education / education pre-scolaire / Vorschulerziehung safety education / enseignement de la securite / Sicherheitserziehung

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Radion ja television opetusohjelmien käyttö The use of educational programmes in the radio and television
ORGANISATION/INSTITUTE	Tampereen yliopisto, Tutkimuslaitos. Research Institute, University of Tampere
RESEARCHERS	Ollikainen, Annamarja, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the use of the Finnish Broadcasting Corporation's educational programmes and the problems connected with it as one phase of a study the results of which will be used for the development of the educational programmes of the Finnish Broadcasting Corporation and for determining the need for continued research in cooperation with school authorities. The study deals with the extensiveness and possibilities of use, methods of use and problems connected with it and teachers' attitudes. Questionnaires are sent to a regionally representative sample of schools (comprehensive, primary, and secondary schools) selected on consideration and by means of randomization from six counties, a total of 69 Finnish-speaking and 31 Swedish-speaking schools. The final sample of teachers amounts to about 500. The results of the study will be related to realistic conditions/equipment etc. in the school, and with objective reality (e.g. the real distribution and use of materials related to the programmes, availability and use of equipment etc.). The results will be mainly descriptive quantitative distributions, the potentially emerging problems will require more detailed further study. The study is connected with the cooperation between education authorities and the Finnish Broadcasting Corporation for the development of educational programmes of the radio and television to serve the needs of the curriculum and to promote revised, integrated educational policy.
TIME SCHEDULE	Starting date IX/73 Probable completion date __/__
SOURCE OF FINANCE	The Committee on Educational Programmes of the Finnish Broadcasting Corporation (funds allocated by the Ministry of Education)
DESCRIPTORS	educational broadcasting/ radiodiffusion scolaire / Schulfunk educational television / television d'enseignement / Schulfernsehen user / utilisateur / Benutzer

ORGANISATION/INSTITUTE	Tampereen yliopisto. Tutkimuslaitos. Research Institute, University of Tampere
RESEARCHERS	Ollikainen, Annamarja, B.A.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study the use of the Finnish Broadcasting Corporation's educational programmes and the problems connected with it as one phase of a study the results of which will be used for the development of the educational programmes of the Finnish Broadcasting Corporation and for determining the need for continued research in cooperation with school authorities. The study deals with the extensiveness and possibilities of use, methods of use and problems connected with it and teachers' attitudes. Questionnaires are sent to a regionally representative sample of schools (comprehensive, primary, and secondary schools) selected on consideration and by means of randomization from six counties, a total of 69 Finnish-speaking and 31 Swedish-speaking schools. The final sample of teachers amounts to about 500. The results of the study will be related to realistic conditions/ equipment etc. in the school, and with objective reality (e.g. the real distribution and use of materials related to the programmes, availability and use of equipment etc.). The results will be mainly descriptive quantitative distributions, the potentially emerging problems will require more detailed further study. The study is connected with the cooperation between education authorities and the Finnish Broadcasting Corporation for the development of educational programmes of the radio and television to serve the needs of the curriculum and to promote revised, integrated educational policy.
TIME SCHEDULE	Starting date IX / 73 Probable completion date __/__
SOURCE OF FINANCE	The Committee on Educational Programmes of the Finnish Broadcasting Corporation (funds allocated by the Ministry of Education)
DESCRIPTORS	educational broadcasting/ radiodiffusion scolaire / Schulfunk educational television / television d'enseignement / Schulfernsehen user / utilisateur / Benutzer

PROJECT TITLE:	The effect of various arrangements in handicraft instruction on pupils' skills, attitudes, creativity and productivity
CARRIED OUT AT:	Institute of Education, University of Turku (see SF 111/1973)
RESEARCHERS	Kananoja, Tapani, M.A.
DESCRIPTORS	attitude / attitude / Einstellung creativity / creativite / Kreativität craft / artisanat / Handwerk skill / competence / Fertigkeit

156.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Lastentarhaa käyneitten ja käymättömien lasten luovan ajattelun eroista kansakoulun ensimmäisellä ja toisella luokalla Infant school attendance and creative thinking in first and second elementary school grades
ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Heikkilä, Jorma, Ph.D.
BIBLIOGRAPHIC REFERENCE	Heikkilä, Jorma, Lastentarhaa käyneitten ja käymättömien lasten luovan ajattelun eroista kansakoulun ensimmäisellä ja toisella luokalla. Turun yliopisto. Kasvatustieteen laitos. Report A:22, 1973, 48p.
BACKGROUND, AIMS	The main problems in the study were: as follows 1) Are there any significant differences in the creative thinking and drawing ability of infant school children and non-infant school children when they enter elementary school? 2) What form does the description of creative thinking and drawing ability take during the first two school years when infant school children and non-infant school children are compared?
SAMPLE	The subjects were 118 children from the elementary schools in Rauma, of whom 52 had attended infant school and 66 had not.
METHODS	The subjects were tested three times: The first test was at the beginning of the first autumn term, the second test in the first spring, the third test in the spring of the second school year. The following characteristics were evaluated: originality in general, originality of structure, originality in the use of colours, complexity, artistry, fluency, flexibility, spontaneity and drawing ability.
MAIN FINDINGS	The data analysis of the first and the second test indicated that the infant school powerfully develops the complexity of creative thinking and to some extent drawing ability and originality in the use of colours. The data analysis of the third test showed that in no variable measured was one of the test groups significantly superior to the other. Thus we may draw the conclusion that the differences in creative thinking and drawing ability observed at the time of entering the school are levelled out during the first two school years when infant school children are compared with non-infant school children.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	nursery school / ecole maternelle / Kindergarten follow-up study / etude longitudinale / Folgestudie cognitive development / developpement cognitif / kognitive Entwicklung

ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Heikkilä, Jorma. Ph.D.
BIBLIOGRAPHIC REFERENCE	Heikkilä, Jorma, Lastentarhaa käyneitten ja käymättömien lasten luovan ajattelun eroista kansakoulun ensimmäisellä ja toisella luokalla. Turun yliopisto. Kasvatustieteen laitos. Report A:22, 1973, 48p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The main problems in the study were: as follows 1) Are there any significant differences in the creative thinking and drawing ability of infant school children and non-infant school children when they enter elementary school? 2) What form does the description of creative thinking and drawing ability take during the first two school years when infant school children and non-infant school children are compared? The subjects were 118 children from the elementary schools in Rauma, of whom 52 had attended infant school and 66 had not. The subjects were tested three times: The first test was at the beginning of the first autumn term, the second test in the first spring, the third test in the spring of the second school year. The following characteristics were evaluated: originality in general, originality of structure, originality in the use of colours, complexity, artistry, fluency, flexibility, spontaneity and drawing ability. The data analysis of the first and the second test indicated that the infant school powerfully develops the complexity of creative thinking and to some extent drawing ability and originality in the use of colours. The data analysis of the third test showed that in no variable measured was one of the test groups significantly superior to the other. Thus we may draw the conclusion that the differences in creative thinking and drawing ability observed at the time of entering the school are levelled out during the first two school years when infant school children are compared with non-infant school children.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	**nursery school / ecple maternelle / Kindergarten follow-up study / etude longitudinale / Folgestudie cognitive development / developpement cognitif / kognitive Entwicklung**

307

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Kaarinan MLS- eli tavoiteoppimiskokeilu Learning for mastery - research in Kaarina
ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education. University of Turku
RESEARCHERS	Lahdes, Erkki, D.Ed., scientific leader Peltonen, Juhani, M.A., research assistant
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study to what extent the use of mastery learning strategies (MLS) helps all pupils to reach certain basic objectives in the native language and mathematics taking into consideration also the affective development of pupils. The study is connected with experimentations which seek ways to overcome learning difficulties and to carry out the principle of integrated differentation in a realistic way. The first grades (200 pupils and 8 teachers) taking part in the study in Kaarina are divided into test and control groups. The test group is taught using mastery learning strategies (increased remedial instruction, accurate statements of objectives, various kind of evaluation procedures, change of teaching methods etc.) The testees are given an initial test in the subjects in question and concerning learning motivation. Teaching periods finish with summative tests. Measuring instruments are knowledge, attitude and motivation tests. The study is part of a larger project initiated by working parties on the development of pre-school and early school education.
TIME SCHEDULE	Starting date III/73 Probable completion date IV/75
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel teaching objective / objectif pedagogique / Lehrziel achievement control / controle du rendement /

ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education. University of Turku
RESEARCHERS	Lahdes, Erkki, D Ed., scientific leader Peltonen, Juhani, M.A., research assistant
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study to what extent the use of mastery learning strategies (MLS) helps all pupils to reach certain basic objectives in the native language and mathematics taking into consideration also the affective development of pupils. The study is connected with experimentations which seek ways to overcome learning difficulties and to carry out the principle of integrated differentation in a realistic way. The first grades (200 pupils and 8 teachers) taking part in the study in Kaarina are divided into test and control groups. The test group is taught using mastery learning strategies (increased remedial instruction, accurate statements of objectives, various kind of evaluation procedures, change of teaching methods etc.) The testees are given an initial test in the subjects in question and concerning learning motivation. Teaching periods finish with summative tests. Measuring instruments are knowledge, attitude and motivation tests. The study is part of a larger project initiated by working parties on the development of pre-school and early school education.
TIME SCHEDULE	Starting date III/73 Probable completion date IV/75
SOURCE OF FINANCE	National Board of Education
DESCRIPTORS	aims of education / finalite de l'education / Erziehungsziel teaching objective / objectif pedagogique / Lehrziel achievement control / controle du rendement / Leistungskontrolle

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Opetuspalvelutoiminnan kehittämisprojekti A project on the development of teaching service activity
ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Salonen, Pekka, Ph.Lic.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to serve the overall planning of teaching service activity 1) by mapping the present situation of the teaching service activity and by finding out the pressures for changes in the principle of operation of teaching services, 2) by outlining the principle of operation and aims of teaching services from the perspective of plans for the qualitative development of higher education (the planning system of higher education, examinations reform), 3) by specifying the long-range and medium-range aims of development, by inventing new alternative organizational solutions, by making evaluations of resources needed for them, and by concretizing alternative implementation strategies. Goal analysis. The plans for the qualitative development of higher education (the development of the planning system of higher education, examinations reform, the project on the development of higher education from the quality perspective, the project on the planning and development of TV-instruction in higher education).
TIME SCHEDULE	Starting date VIII / 73 Probable completion date IX / 74
SOURCE OF FINANCE	Financed by the Ministry of Education (projects on the development of higher education)
DESCRIPTORS	**higher education / enseignement superieur / Hochschulbildung** **educational technology / technologie de l'education / Bildungstechnologie** **planning of education / planification de l'education**

ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Salonen, Pekka, Ph.Lic.
BIBLIOGRAPHIC REFERENCE	
BACKGROUND, AIMS SAMPLE METHODS	The purpose of the study is to serve the overall planning of teaching service activity 1) by mapping the present situation of the teaching service activity and by finding out the pressures for changes in the principle of operation of teaching services, 2) by outlining the principle of operation and aims of teaching services from the perspective of plans for the qualitative development of higher education (the planning system of higher education, examinations reform), 3) by specifying the long-range and medium-range aims of development, by inventing new alternative organizational solutions, by making evaluations of resources needed for them, and by concretizing alternative implementation strategies. Goal analysis. The plans for the qualitative development of higher education (the development of the planning system of higher education, examinations reform, the project on the development of higher education from the quality perspective, the project on the planning and development of TV-instruction in higher education).
TIME SCHEDULE	Starting date VIII/__73 Probable completion date IX_/_74
SOURCE OF FINANCE	Financed by the Ministry of Education (projects on the development of higher education)
DESCRIPTORS	**higher education / enseignement superieur / Hochschulbildung** **educational technology / technologie de l'education / Bildungstechnologie** **planning of education / planification de l'education Bildungsplanung**

COUNTRY

Finland

DATE

December 1973

COMPLETED RESEARCH

TITLE OF THE RESEARCH

Oppimistavoitteen tuntemisen ja tarkistuskokeen suorittamisen yhteydestä oppimiseen lyhyen opettajajohtoisen oppimistilanteen aikana

The relationship between knowing the learning objective and taking a formative test, and learning in a short teacher-directed learning situation

ORGANISATION/INSTITUTE

Turun yliopisto. Kasvatustieteen laitos

Institute of Education, University of Turku

RESEARCHERS

Toiskallio, Jarmo

BIBLIOGRAPHIC REFERENCE

Toiskallio, Jarmo, Oppimistavoitteen tuntemisen ja tarkistuskokeen suorittamisen yhteydestä oppimiseen lyhyen opettajajohtoisen oppimistilanteen aikana. Turun yliopisto. Kasvatustieteen laitos. Report A:25, 1973, 40p, ISBN 951-641-071-5

BACKGROUND, AIMS

SAMPLE

METHODS

MAIN FINDINGS

The study concerns two problem areas: 1) Is there any relationship between knowing the learning objectives and taking a formative test, and learning results in teacher-directed teaching? 2) Is there any relationship between knowing the learning objectives and taking a formative test, and the predictive value of ability factors with regard to learning results?

The subjects were recruits in the armed forces (N=54). They were divided into three groups which received equal instruction simultaneously. Before instruction one group received an accurate list of objectives from which the pupils were asked to follow the progress of the lesson. After instruction had finished this group was given formative test the purpose of which was to give the pupils feedback. The second group did not receive any list of objectives but it was given a formative test. The third group was given neither the list of objectives nor the formative test. The final measurement was carried out immediately after the end of the formative test for all groups simultaneously. The groups had been controlled with regard to their educational background, ability factors, prior knowledge, and attitudes.

The use of list of objectives and a formative test seemed to improve learning only with regard to sub-objectives; in the attainment of overall objectives no differences were found between the groups. The use of lists of objectives and a formative test seemed to weaken the predictive value of ability factors. The influence was clearest in the spatial area. Since the sample was small the results are tentative.

TIME SCHEDULE

Starting date __/__ Date of completion ___/73

SOURCE OF FINANCE

DESCRIPTORS

teaching objective / objectif pedagogique / Lehrziel
achievement control / controle du rendement /
Leistungskontrolle

	The relationship between knowing the learning taking a formative test, and learning in a short teacher-directed learning situation
ORGANISATION/INSTITUTE	Turun yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Toiskallio, Jarmo
BIBLIOGRAPHIC REFERENCE	Toiskallio, Jarmo, Oppimistavoitteen tuntemisen ja tarkistuskokeen suorittamisen yhteydestä oppimiseen lyhyen opettajajohtoisen oppimistilanteen aikana. Turun yliopisto. Kasvatustieteen laitos. Report A:25, 1973, 40p, ISBN 951-641-071-5
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study concerns two problem areas: 1) Is there any relationship between knowing the learning objectives and taking a formative test, and learning results in teacher-directed teaching? 2) Is there any relationship between knowing the learning objectives and taking a formative test, and the predictive value of ability factors with regard to learning results? The subjects were recruits in the armed forces (N=54). They were divided into three groups which received equal instruction simultaneously. Before instruction one group received an accurate list of objectives from which the pupils were asked to follow the progress of the lesson. After instruction had finished this group was given formative test the purpose of which was to give the pupils feedback. The second group did not receive any list of objectives but it was given a formative test. The third group was given neither the list of objectives nor the formative test. The final measurement was carried out immediately after the end of the formative test for all groups simultaneously. The groups had been controlled with regard to their educational background, ability factors, prior knowledge, and attitudes. The use of list of objectives and a formative test seemed to improve learning only with regard to sub-objectives; in the attainment of overall objectives no differences were found between the groups. The use of lists of objectives and a formative test seemed to weaken the predictive value of ability factors. The influence was clearest in the spatial area. Since the sample was small the results are tentative.
TIME SCHEDULE	Starting date __/__ Date of completion___/73
SOURCE OF FINANCE	
DESCRIPTORS	teaching objective / objectif pedagogique / Lehrziel achievement control / controle du rendement / Leistungskontrolle evaluation / evaluation / Evaluation

313

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Analysis of the subject matter in secondary school economics
ORGANISATION/INSTITUTE	Turun Yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Vikainen, Inkeri, prof.
BIBLIOGRAPHIC REFERENCE	Vikainen, Inkeri, Analysis of the subject matter in secondary school economics. University of Turku, Institute of Education, Report 14. 1973. 59p. ISBN 951-641-092-8
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Part of a project. Main project: the learning results in economics in Finnish schools. The objective was to analyze subject matter from the point of view of how easy it is to learn and how significant the 'non-formal' material is (the opposite of systematical learning, primarily at school). The 32 classes investigated were taken by systematic random sampling from the sixth (or seventh) form of State secondary schools. The achievements were measured. The sources of information were reported by the respondents. - Differences in the level of achievement were found 1. between the sexes, to the boys' advantage, 2. according to success at school, especially when the amount of systematic material was high (girls). Boys whose average marks in the school reports were slightly below the class average had a relatively high level of knowledge in economics. The significance of non-formal learning is worth taking into consideration is secondary school economics. Further analyses will be made on the basis of new material.
TIME SCHEDULE	Starting date X/67 Date of completion VIII/73
SOURCE OF FINANCE	The researcher has paid the expenses
DESCRIPTORS	economic studies / etudes economiques / Wirtschaftskunde secondary education / enseignement secondaire / Sekundarbildung evaluation / evaluation / Evaluation

ORGANISATION/INSTITUTE	Turun Yliopisto. Kasvatustieteen laitos Institute of Education, University of Turku
RESEARCHERS	Vikainen, Inkeri, prof.
BIBLIOGRAPHIC REFERENCE	Vikainen, Inkeri, Analysis of the subject matter in secondary school economics. University of Turku, Institute of Education, Report 14. 1973. 59p. ISBN 951-641-092-8
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	Part of a project. Main project: the learning results in economics in Finnish schools. The objective was to analyze subject matter from the point of view of how easy it is to learn and how significant the 'non-formal' material is (the opposite of systematical learning, primarily at school). The 32 classes investigated were taken by systematic random sampling from the sixth (or seventh) form of State secondary schools. The achievements were measured. The sources of information were reported by the respondents. - Differences in the level of achievement were found 1. between the sexes, to the boys' advantage, 2. according to success at school, especially when the amount of systematic material was high (girls). Boys whose average marks in the school reports were slightly below the class average had a relatively high level of knowledge in economics. The significance of non-formal learning is worth taking into consideration is secondary school economics. Further analyses will be made on the basis of new material.
TIME SCHEDULE	Starting date X/67 Date of completion VIII/73
SOURCE OF FINANCE	The researcher has paid the expenses
DESCRIPTORS	economic studies / etudes economiques / Wirtschaftskunde secondary education / enseignement secondaire / Sekundarbildung evaluation / evaluation / Evaluation

315

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Toimivan yhteiskunnallisen maailmankuvan edellytykset peruskoulussa Possibilities for the creation of a functioning social view of the world in the comprehensive school
ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	~~Nummenmaa, Tapio, professor~~ Karvonen, Juhani, professor Rantalaiho, Liisa, D.Soc.Sc. Takala, Annika, professor Takala, Tuomas, M.A.
BIBLIOGRAPHIC REFERENCE	Raportti Pirkkalan kansainvälisyyskasvatuksen kokeilusta. Tutkijaryhmä PETO. Tampereen yliopisto. Psykologian laitos. Report 75. 1973. 96p. ISBN 951-44-0112-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study is connected with the curriculum development of social science subjects in the comprehensive school. The purpose was to study what effects a two-week-experimentation in international education has on pupils' views of the society by means of an inquiry. It was discovered that the experiment had taught individual facts, but their structure and application remained insufficient. It was considered that a functioning view of the society can be produced only by integrating international education into the curricula. Curriculum development in accordance with the above principle has been started. The changes in pupils' views of the society are followed by means of a follow-up study.
TIME SCHEDULE	Starting date I/ 72 Date of completion VI/ 73
SOURCE OF FINANCE	The study is financed by the National Board of Education
DESCRIPTORS	**social sciences / sciences sociales / Sozialwissenschaften** **social studies / etudes sociales / Sozialkunde**

	of the world in the comprehensive school
ORGANISATION/INSTITUTE	Tampereen yliopisto. Psykologian laitos Institute of Psychology, University of Tampere
RESEARCHERS	Nummenmaa, Tapio, professor Karvonen, Juhani, professor Rantalaiho, Liisa, D.Soc.Sc. Takala, Annika, professor Takala, Tuomas, M.A.
BIBLIOGRAPHIC REFERENCE	Raportti Pirkkalan kansainvälisyyskasvatuksen kokeilusta. Tutkijaryhmä PETO. Tampereen yliopisto. Psykologian laitos. Report 75. 1973. 96p. ISBN 951-44-0112-3
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study is connected with the curriculum development of social science subjects in the comprehensive school. The purpose was to study what effects a two-week-experimentation in international education has on pupils' views of the society by means of an inquiry. It was discovered that the experiment had taught individual facts, but their structure and application remained insufficient. It was considered that a functioning view of the society can be produced only by integrating international education into the curricula. Curriculum development in accordance with the above principle has been started. The changes in pupils' views of the society are followed by means of a follow-up study.
TIME SCHEDULE	Starting date I/ 72 Date of completion VI/ 73
SOURCE OF FINANCE	The study is financed by the National Board of Education
DESCRIPTORS	social sciences / sciences sociales / Sozialwissenschaften social studies / etudes sociales / Sozialkunde value system / systeme de valeurs / Wertsystem

317

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Nuorison ihmis- ja maailmankuva I: tutkimuksen yleisesittely Beliefs, attitudes, values and intentions concerning man and the world of the Finnish youth, Part I: Background, problems, methods and subjects
ORGANISATION/INSTITUTE	Turun yliopisto. Psykologian laitos Institute of Psychology, University of Turku
RESEARCHERS	Rauste, Maija-Liisa, Ph.Lic. (main researcher) von Wright, J.M., professor (leader of the project)
BIBLIOGRAPHIC REFERENCE	Rauste, Maija-Liisa, Nuorison ihmis- ja maailmankuva I: tutkimuksen yleisesittely. Turun yliopisto. Psykologian laitos, Report 11. 1973. 54 p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study is an extensive two-part research project, part of which will be published as a doctor's thesis (M-L Rauste); some smaller parts possibly alsc as licentiate dissertations. The purpose is to make a survey of young people's beliefs, attitudes, values and intentions concerning man and the world. 100 young people from Helsinki have been tested at the age of 11, 13 and 15 years, 104 young people from northern Carelia have been tested at the age of 15 years. The main method is an extensive, half-structured interview; in addition numerous tests e.g. self-image-tests with different instructions have been used. A lot of information has been collected from children's parents and schools. So far the general introduction of the study has been published: description of the background, methods, subjects and data collection. The results will be published by sub-areas as a report series. The results can be made use of where information is needed on young people's beliefs, attitudes, values and intentions concerning man and the world. Continuation plans: further analysis of the extensive material collected, and the reporting of results.
TIME SCHEDULE	Starting date __/_69 Date of completion___/Part I: 73
SOURCE OF FINANCE	Part I of the study: Gyllenberg foundation and the Social Science Research Council. Part II of the study: National Board of Education
DESCRIPTORS	belief / croyance / Glaube youth attitude / attitude de la jeunesse / Einstellung value system / systeme de valeurs / Wertsystem

ORGANISATION/INSTITUTE	Turun yliopisto. Psykologian laitos Institute of Psychology, University of Turku
RESEARCHERS	Rauste, Maija-Liisa, Ph.Lic. (main researcher) von Wright, J.M., professor (leader of the project)
BIBLIOGRAPHIC REFERENCE	Rauste, Maija-Liisa, Nuorison ihmis- ja maailmankuva I: tutkimuksen yleisesittely. Turun yliopisto. Psykologian laitos, Report 11. 1973. 54 p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	The study is an extensive two-part research project, part of which will be published as a doctor's thesis (M-L Rauste); some smaller parts possibly also as licentiate dissertations. The purpose is to make a survey of young people's beliefs, attitudes, values and intentions concerning man and the world. 100 young people from Helsinki have been tested at the age of 11, 13 and 15 years, 104 young people from northern Carelia have been tested at the age of 15 years. The main method is an extensive, half-structured interview; in addition numerous tests e.g. self-image-tests with different instructions have been used. A lot of information has been collected from children's parents and schools. So far the general introduction of the study has been published: description of the background, methods, subjects and data collection. The results will be published by sub-areas as a report series. The results can be made use of where information is needed on young people's beliefs, attitudes, values and intentions concerning man and the world. Continuation plans: further analysis of the extensive material collected, and the reporting of results.
TIME SCHEDULE	Starting date ___/ 69 Date of completion ___/Part I: 73
SOURCE OF FINANCE	Part I of the study: Gyllenberg foundation and the Social Science Research Council. Part II of the study: National Board of Education
DESCRIPTORS	**belief / croyance / Glaube** **youth attitude / attitude de la jeunesse / Einstellung** **value system / systeme de valeurs / Wertsystem**

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	Finlandssvenskt pedagogiskt forsknings- och utvecklingsarbete. Ett försök till målbestämning, behovsinventering och arbetsfördelning Educational research and development work in Swedish-speaking regions
ORGANISATION/INSTITUTE	Åbo Akademi. Pedagogiska institutionen Institute of Education, Åbo Akademi
RESEARCHERS	Andersson, Håkan, Lic.Ph.
BIBLIOGRAPHIC REFERENCE	Andersson, Håkan, Finlandssvenskt pedagogiskt forsknings- och utvecklingsarbete. Åbo Akademi. Pedagogiska institutionen. 1973. Report 14 (38 p.)
BACKGROUND, AIMS	A separate study. Indirectly connected with the planning of a Swedish teacher training college in Vasa. The situation and needs for research in the Swedish sector of education have been studied with national educational planning as the point of departure. Against the background of the existing research units some proposals are put forward for the division of labour and also some suggestions for increased allocation of funds.
SAMPLE	
METHODS	
MAIN FINDINGS	
TIME SCHEDULE	Starting date IV/ 73 Date of completion IX/ 73
SOURCE OF FINANCE	Financed by the Institute.
DESCRIPTORS	national minority / minorite nationale / nationale Minderheit reform of education / reforme de l'enseignement / Bildungsreform

ORGANISATION/INSTITUTE	Åbo Akademi. Pedagogiska institutionen Institute of Education, Åbo Akademi
RESEARCHERS	Andersson, Håkan, Lic.Ph.
BIBLIOGRAPHIC REFERENCE	Andersson, Håkan, Finlandssvenskt pedagogiskt forsknings- och utvecklingsarbete. Åbo Akademi. Pedagogiska institutionen. 1973. Report 14 (38 p.)
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	A separate study. Indirectly connected with the planning of a Swedish teacher training college in Vasa. The situation and needs for research in the Swedish sector of education have been studied with national educational planning as the point of departure. Against the background of the existing research units some proposals are put forward for the division of labour and also some suggestions for increased allocation of funds.
TIME SCHEDULE	Starting date IV/ 73 Date of completion IX/ 73
SOURCE OF FINANCE	Financed by the Institute.
DESCRIPTORS	national minority / minorite nationale / nationale Minderheit reform of education / reforme de l'enseignement / Bildungsreform research policy / politique de recherche

160.

COUNTRY	Finland
DATE	December 1973
COMPLETED RESEARCH TITLE OF THE RESEARCH	En uppföljningsstudie i läroverkselevers bokläsning. - Några litteraturpedagogiska problem A follow-up study of pupils' reading habits
ORGANISATION/INSTITUTE	Åbo Akademi. Pedagogiska institutionen Institute of Education, Åbo Akademi
RESEARCHERS	Andersson, Håkan, Ph.Lic. Andersson, Katarina
BIBLIOGRAPHIC REFERENCE	Anderson, Håkan & Andersson, Katarina, A follow-up study of pupils' reading habits. Institute of Education, Åbo Akademi, Report 13, 1973, 60p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This study deals with two problem areas of the study field of literature-pedagogics: a longitudinal study of the development of reading habits among pupils and a preliminary survey of the development and the central problems of the teaching of literature in Swedish. Literature-pedagogical research is generally regarded as a backward area of research. The shortage of dependable measuring instruments in the field is often given as an important reason for the situation. A general trend in the teaching of literature has in the last decades been the increased demand for the reading of more modern, more international and more varied literature in the school. The study of reading habits, which was divided into four sub-studies, was initiated in spring 1962 and completed in autumn 1967. A total of 700 pupils took part in the study. When pupils' favourite books were studied fairly clear development stages could be noticed. The difference between sexes was quite significant in some respects. Light fiction held a central position in all grades. Fiction's share increased somewhat with years. The analysis of students' motivations and needs proved that excitement, adventure and humour were prominent, as age increased the linguistic aspect of books became also important. Familiarity with authors seemed to increase with age. The reading of books, when measured in the number of books read over a fortnight, decreased somewhat with age. Girls read far more than boys.
TIME SCHEDULE	Starting date __/__ Date of completion ___/73
SOURCE OF FINANCE	
DESCRIPTORS	**literature / litterature / Literatur** **reading taste / interet de lecture / Leseinteresse** **secondary education / enseignement secondaire / Sekundarbildung**

ORGANISATION/INSTITUTE	Åbo Akademi. Pedagogiska institutionen Institute of Education, Åbo Akademi
RESEARCHERS	Andersson, Håkan, Ph.Lic. Andersson, Katarina
BIBLIOGRAPHIC REFERENCE	Anderson, Håkan & Andersson, Katarina, A follow-up study of pupils' reading habits. Institute of Education, Åbo Akademi, Report 13, 1973, 60p.
BACKGROUND, AIMS SAMPLE METHODS MAIN FINDINGS	This study deals with two problem areas of the study field of literature-pedagogics: a longitudinal study of the development of reading habits among pupils and a preliminary survey of the development and the central problems of the teaching of literature in Swedish. Literature-pedagogical research is generally regarded as a backward area of research. The shortage of dependable measuring instruments in the field is often given as an important reason for the situation. A general trend in the teaching of literature has in the last decades been the increased demand for the reading of more modern, more international and more varied literature in the school. The study of reading habits, which was divided into four sub-studies, was initiated in spring 1962 and completed in autumn 1967. A total of 700 pupils took part in the study. When pupils' favourite books were studied fairly clear development stages could be noticed. The difference between sexes was quite significant in some respects. Light fiction held a central position in all grades. Fiction's share increased somewhat with years. The analysis of students' motivations and needs proved that excitement, adventure and humour were prominent, as age increased the linguistic aspect of books became also important. Familiarity with authors seemed to increase with age. The reading of books, when measured in the number of books read over a fortnight, decreased somewhat with age. Girls read far more than boys.
TIME SCHEDULE	Starting date __/__ Date of completion __/73
SOURCE OF FINANCE	
DESCRIPTORS	literature / litterature / Literatur reading taste / interet de lecture / Leseinteresse secondary education / enseignement secondaire / Sekundarbildung

323

COUNTRY	Finland
DATE	December 1973
RESEARCH IN PROGRESS TITLE OF THE RESEARCH	Finlandssvenska läroverkselevers behärskning av finskans objekt före och efter den systematiska behandlingen i satsläran Swedish-speaking pupils' mastery of the object in the Finnish language before and after the systematic treatment of syntax
ORGANISATION/INSTITUTE	Åbo Akademi. Pedaogiska institutionen Institute of Education, Åbo Akademi
RESEARCHERS	Geber, Erik, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, Åbo Akademi
BACKGROUND, AIMS SAMPLE METHODS	The purpose is to study 1) pupils' difficulties in learning the object before systematic treatment at the upper level of the secondary school 2) pupils' progress in learning the object after systematic treatment. An evaluation study, multiple-choice tests measuring the mastery of object have been carried out in 20 Swedish-speaking secondary schools (appr. 1000 pupils) before the systematic treatment of the object and after it. The amount of errors, frequencies, means, and distributions have been computed and results before and after the systematic treatment have been compared. A didactic continuation to a linguistic study carried out as a thesis for a M.A. degree in Finnish.
TIME SCHEDULE	Starting date XI / 70 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	second language / premiere langue / erste Fremdsprache learning difficulty / trouble de l'apprentissage / Lernschwierigkeit grammar / grammaire / Grammatik

324

ORGANISATION/INSTITUTE	Åbo Akademi. Pedaogiska institutionen Institute of Education, Åbo Akademi
RESEARCHERS	Geber, Erik, M.A.
BIBLIOGRAPHIC REFERENCE	A report will be published in the report series of the Institute of Education, Åbo Akademi
BACKGROUND, AIMS	The purpose is to study 1) pupils' difficulties in learning the object before systematic treatment at the upper level of the secondary school 2) pupils' progress in learning the object after systematic treatment.
SAMPLE METHODS	An evaluation study, multiple-choice tests measuring the mastery of object have been carried out in 20 Swedish-speaking secondary schools (appr. 1000 pupils) before the systematic treatment of the object and after it. The amount of errors, frequencies, means, and distributions have been computed and results before and after the systematic treatment have been compared. A didactic continuation to a linguistic study carried out as a thesis for a M.A. degree in Finnish.
TIME SCHEDULE	Starting date XI / 70 Probable completion date __/__
SOURCE OF FINANCE	
DESCRIPTORS	second language / premiere langue / erste Fremdsprache learning difficulty / trouble de l'apprentissage / Lernschwierigkeit grammar / grammaire / Grammatik Finnish / finnois Finnisch

Subject index

access to education 121
achievement 78, 96, 11, 112, 115, 134, 137, 138, 149,
 - achievement control 124, 157, 159
 - achievement gain 23
 - achievement motivation 25, 114
 - achievement test 45, 47, 48, 49 58, 82, 90, 91, 102, 103, 104, 106, 107
activity method 7
adjustment 23, 77, 111, 112
administration of education 40, 61, 83, 100
administrative personnel 81
administrative structure 81, 83, 87,
admission requirements 59, 78
adult education 139, 140, 141
adult education institute 140
affectivity 64
aims of education 5, 24, 33, 38, 40, 51, 88, 92, 93, 141, 146, 148, 157
architecture 88
art education 80
aspiration 114, 152
assessment 2, 11, 71
athletics 132
attitude 2, 37, 108, 155
 - attitude change 84, 85, 86

belief 162
bilingualism 77, 138
budgetary control 127
building 88
change of residence 35
child development 73
classwork 6 55
closed-circuit television 95, 109
cognitive development 43, 137, 156
cognitive process 130, 131
communication 9, 12, 13
comparative education 60, 62
competitive sport 132
composition 58, 82
computer analysis 128
concept formation 69
content analysis 122
cost-benefit analysis 66, 127, 145
cost of education 135
craft 155
creativity 130, 155
cultural environment 32, 80
curriculum 13, 42, 45, 47, 48, 49, 51, 52, 53, 67, 79, 82, 90, 91, 92, 102, 103, 104, 106, 124, 125, 126, 146, 147
 - curriculum subject 37

Subject index

access to education 121
achievement 78, 96, 11, 112, 115, 134, 137, 138, 149,
  - achievement control 124, 157, 159
  - achievement gain 23
  - achievement motivation 25, 114
  - achievement test 45, 47, 48, 49 58, 82, 90, 91, 102, 103, 104, 106, 107
activity method 7
adjustment 23, 77, 111, 112
administration of education 40, 61, 83, 100
administrative personnel 81
administrative structure 81, 83, 87,
admission requirements 59, 78
adult education 139, 140, 141
adult education institute 140
affectivity 64
aims of education 5, 24, 33, 38, 40, 51, 88, 92, 93, 141, 146, 148, 157
architecture 88
art education 80
aspiration 114, 152
assessmeht 2, 11, 71
athletics 132
attitude 2, 37, 108, 155
  - attitude change 84, 85, 86

belief 162
bilingualism 77, 138
budgetary control 127
building 88
change of residence 35
child development 73
classwork 6, 55
closed-circuit television 95, 109
cognitive development 43, 137, 156
cognitive process 130, 131
communication 9, 12, 13
comparative education 60, 62
competitive sport 132
composition 58, 82
computer analysis 128
concept formation 69
content analysis 122
cost-benefit analysis 66, 127, 145
cost of education 135
craft 155
creativity 130, 155
cultural environment 32, 80
curriculum 13, 42, 45, 47, 48, 49, 51, 52, 53, 67, 79, 82, 90, 91, 92, 102, 103, 104, 106, 124, 125, 126, 146, 147
  - curriculum subject 37

data processing 128
debate 148
decision making 121
demand for teachers 72
demography 61
development policy 134
didactics 6, 9, 12, 13, 18
discipline 55
dropout 115
drug addiction 34

early learning 54
early reading 43
economic development 33
economic studies 160
educabitiliy 20
educational broadcasting 154
educational information 65
educational opportunity 27, 78, 89
educational policy 20, 21, 22, 27, 28, 38
educational research 100
educational technology 99, 158
educational television 95, 151, 154
English 144
equal opportunity 121
entrance examination 10
evaluation 45, 46, 48, 49, 52, 57, 58, 68, 69, 70, 82, 89, 90, 91, 93, 94, 96, 102, 103, 104, 106, 122, 123, 124, 125, 126, 141, 146, 147, 159, 160
examination system 44, 67
experimental school 1, 8, 17, 30, 70, 84, 85, 86.
experimentation 44, 67

factor analysis 37, 50
failure 150
Finnish 165
follow-up-study 35, 111, 112, 114, 115, 116, 117, 118, 125, 126, 156
further education of teachers 99, 122, 123
general education 22, 116
graduate 40
grammar 79, 165
group work 16, 94
grouping 93

higher education 42, 44, 59, 60, 61, 62, 67, 87, 96, 109, 143, 158
history of education 4
human dignity 31

ideology 33
individualized teaching 92, 93
influence 29
immigrant 138
in-service training 122, 123, 145
individualization 39
innovation 1, 8
integrated curriculum 19, 31

intellectual development 73. 74, 75
interaction 6, 9, 12, 13, 17, 18, 129
interest 142

job classification 71
job description 71

language development 74, 75, 138
language teaching 14
learning difficulty 41, 54, 97, 111, 112, 165
lesson preparation 46, 53
level of qualification 152
linguistics 79, 105
linear programme 119
literature 164

marriage 35
mathematics 15, 41, 54, 90, 91, 103
measurement technique 108
message reception 65
methodology 50
migrant 77
mother tongue 7, 52, 53, 58, 79, 82, 102, 104, 105
misconduct 55
motivation 68, 85, 86, 118

national minority 134, 163
national planning 60, 72, 89, 120, 136,
non-verbal communication 16
numerus clausus 59
nursery school 156
nutrition 19
observation 6, 9, 12, 13, 129
occupational aspiration 25
occupational satisfaction 113
operational research 98
option 39, 63, 76, 92, 123

parent-school relation 65
participation 139
personality development 137
personnel management 145
philosophy of education 101
physical development 137
physical education 129, 130, 131, 132,
picture 64
planning of education 28, 66, 81, 98, 120, 127, 158
political behaviour 29
polytechnical education 24, 26
pre-school child 80, 151
pre-school education 30, 32, 125, 126, 133, 136, 153
primary education 22
programmed learning 119
pronunciation 144
psycholinguistics 43, 73, 74, 105

reading taste 164
recruitment 149
reform of education 21, 28, 163
remedial teaching 23, 41, 97

repeating 115
research method 36, 50, 117
research policy 163
research result 120
researcher 40
road safety 69
rural school 30

safety education 69, 153
Scandinavia 142
school environment 29
school readiness 133
school system 148
second language 14, 42, 45, 47, 48, 49, 105, 106, 107, 124, 144, 165
secondary education 1, 7, 8, 17, 22, 51, 150, 160, 164
selection 63
self-concept 76
self-evaluation 119
skill 56, 155
social environment 150, 152
social inequality 121
social policy 27
social sciences 161
social structure 33
social studies 40, 161
sport 142
statistical analysis 128
statistical method 36
student teacher 3, 10, 39
study method 56, 57
supervision 11
supply of teachers 72
system of education 89

teacher 135
teacher behaviour 39 116
teacher education 2, 3, 5, 10, 11, 39, 136, 147, 149
teachers' organization 148
teaching 17
teaching aids 40, 64, 110
teaching method 94
teaching objective 14, 15, 46, 52, 53, 146, 157, 159
teaching programme 39, 51, 63, 76,
technical personnel 87
televised teaching 133
television programme 95, 96
test 130
theory of education 5, 6, 9, 12, 13, 18, 26, 101,
time-table 1, 68, 70, 84, 85, 86
transition from school to work 113

university 40
university institute 83
user 139, 154

validity 107
value system 161, 162
verbal communication 16, 18

vocational education 25, 26, 31, 110, 116, 149
vocational training 112

work attitude 56, 57, 84
working conditions 135

youth attitude 142, 162
youth employment 113

Index des descripteurs

abandon d'etudes 115
administration de l'enseignement 40, 61, 83, 100
acces a l'education 121
adaptation 23, 77, 111, 112
affectivite 64
analyse conceptuelle 101
analyse cout-avantage 66, 127, 145
analyse de contenu 122
analyse factorielle 37, 50
analyse statistique 128
anglais 144
appreciation 2, 11, 71
apprentissage precoce
architecture 88
artisanat 155
aspiration 114, 152
aspirations professionnelles 25
athletisme 132
attitude 2, 37, 108, 155
 - attitude de la jeunesse 142
 - attitude envers le travaile 56, 57, 84
autoevaluation 119

batiment 88
besoin d'enseignants 72
bilinguisme 77, 138

centre de calcul 128
chances d'education 27, 78, 89
changement d'attitude 84, 85, 86
changement de residence 35
chercheur 40
classification des emplois 71
communication 9, 12, 13
communication non-verbale 16
communication verbale 16, 18
competence 56, 155
comportement de l'enseignant 39, 116
comportement politique 29
composition litteraire 58, 82
conception de soi 76
conditions d'admission 59, 78
condition de travail 135
controle budgetaire 127
controle du rendement 124
cout de l'education 135
creativite 130, 155
croyance 162

debat 148
demographie 61
description d'emploi 71
developpement cognitif 43, 137, 156
developpement de l'enfant 73, 75
developpement de la personalite 137
developpement du langage 74, 75, 138
developpement economique 33
developpement intellectuel 73, 74, 75
developpement physique 137

discipline 55
didactique 6, 9, 12, 13, 18
dignite humaine 31

ecole experimentale 1, 8, 17, 30, 70, 84, 85, 86
ecole maternelle 156
ecole rurale 30
educabilite 20
education artistique 80
aducation comparee 60, 62
education des adultes 139, 140, 141
education physique 129, 130, 131, 132
education pre-scolaire 30, 32, 125, 126, 133, 136, 153
egalite de chances 121
eleve maitre 3, 10, 39
emploi des jeunes 113
emploi du temps 1, 68, 70, 84, 85, 86,
enfant d'age pre-scolaire 80, 151
enseignant 135
enseignement 17
enseignement de la securite 69, 153
enseignement de rattrage 23, 41, 97
enseignement des langues 14
enseignement general 22, 116
enseignement individualise 92, 93
enseignement polytechnique 24, 26
enseignement primaire 22
enseignement professionnel 25, 26, 31, 110, 116, 149
enseignement programme 119
enseignement secondaire 1, 7, 8, 17, 22, 51, 150, 160, 164
enseignement superieur 42, 44, 59, 60, 61, 62, 67, 87, 96, 109, 143, 158
enseignement televise 133
etude longitudinale 35, 111, 112, 114, 115, 116, 117, 118, 125, 126, 156
etudes economiques 160
etudes sociales 40, 161
etudiant diplome 40
evaluation 45, 46, 48, 49, 52, 57, 58, 68, 69, 70, 88, 89, 90, 91, 93, 94, 96, 102, 103, 104, 106, 122, 123, 124, 125, 126, 141, 146, 147, 159, 160
examen d'entree 10
experimentation 44, 67

finalite de l'education 5, 24, 33, 38, 40, 51, 92, 93, 141, 146, 148, 157
finnois 165
formation de concept 69
formation des enseignants 2, 3, 5, 10, 11, 39, 136, 147, 149
formation en cours d'emploi 122, 123, 145
formation professionnelle 112

gestion du personnel 145
grammaire 79, 165
groupement 93

histoire de l'eduction 4

ideologie 33
individualisation 39
inegalite sociale 121
influence 29
information pedagogique 65
immigrant 138
innovation 1, 8
institut d'universite 83
interaction 6, 9, 11, 12, 13, 17, 18, 129,
interet 142
 - interet de lecture 164

langue maternelle 7, 52, 53, 58, 79, 82, 102, 104, 105
lecture procece 43
linguistique 79, 105
literature 164

mariage 35
mathematique 15, 41, 54, 90, 91, 103
matiere a option 39, 63, 76. 92, 123
matiere d'enseignement 37
maturite scolaire 133
mauvaise conduite 55
methode active 7
methode de recherche 36, 50, 117
methode de travail 56, 57
methode pedagogique 94
methode statistique 36
methodologie 50
migrant 77
milieu culturel 32, 80

milieu scolaire 29
milieu social 150, 152
minorite nationale 134, 163
motivation 68, 85, 86, 118
motivation d'accomplissement 25, 114
moyens d'enseignement 40, 64, 110

niveau de qualification 152
numerus clausus 59
nutrition 19

objectif pedagogique 14, 15, 46, 52, 53, 146, 157, 159
observation 6, 9, 12, 13, 129
offre d'enseignants 72
organisation d'enseignants 148

participation 139
passage a la vie active 113
perfectionnement des enseignants 99, 122, 123
personnel administratif 81
personnel technique 87
philosophie de l'education 101
planification de l'education 28, 66, 81, 98, 120, 127, 158
planification nationale 60, 72, 89, 120, 136
politique de developpement 134
politique de l'education 20, 21, 22, 27, 28, 38
politique de recherche 163
politique sociale 27
premiere lange 14, 42, 45, 47, 48, 49, 105, 106, 107, 124,
144, 165

institut d'universite 83
interaction 6, 9, 11, 12, 13, 17, 18, 129,
interet 142
 - interet de lecture 164

langue maternelle 7, 52, 53, 58, 79, 82, 102, 104, 105
lecture procece 43
linguistique 79, 105
literature 164

mariage 35
mathematique 15, 41, 54, 90, 91, 103
matiere a option 39, 63, 76, 92, 123
matiere d'enseignement 37
maturite scolaire 133
mauvaise conduite 55
methode active 7
methode de recherche 36, 50, 117
methode de travail 56, 57
methode pedagogique 94
methode statistique 36
methodologie 50
migrant 77
milieu culturel 32, 80

milieu scolaire 29
milieu social 150, 152
minorite nationale 134, 163
motivation 68, 85, 86, 118
motivation d'accomplissement 25, 114
moyens d'enseignement 40, 64, 110

niveau de qualification 152
numerus clausus 59
nutrition 19

objectif pedagogique 14, 15, 46, 52, 53, 146, 157, 159
observation 6, 9, 12, 13, 129
offre d'enseignants 72
organisation d'enseignants 148

participation 139
passage a la vie active 113
perfectionnement des enseignants 99, 122, 123
personnel administratif 81
personnel technique 87
philosophie de l'education 101
planification de l'education 28, 66, 81, 98, 120, 127, 158
planification nationale 60, 72, 89, 120, 136
politique de developpement 134
politique de l'education 20, 21, 22, 27, 28, 38
politique de recherche 163
politique sociale 27
premiere lange 14, 42, 45, 47, 48, 49, 105, 106, 107, 124,
144, 165

preparation des cours 46, 53
prise de decision 121
processus congnitif 130, 131
programme de television 95, 96
programme d'enseignement 39, 51, 63, 76
programme d'etudes 13, 42, 45, 47, 48, 49, 51, 52, 53, 67, 69, 82, 90, 91, 92, 102, 103, 104, 106, 124, 125, 126, 147
programme lineaire 199
progres scolaire 23
prononciation 144
psycholinguistique 43, 73, 74, 105

radiodiffusion scolaire 154
reception des message 65
recherche educationnelle 100
recherche operationnelle 98
recrutement 149
redoublement 115
reforme de l'enseignement 21, 28, 163
regime des examens 44, 67
relation parents-ecole 65
rendement 78, 96, 111, 112, 115, 134, 137, 138, 147, 149
resultat de recherche 120

satisfaction professionnelle 113
scandinavien 142
sciences sociales 161
securite routiere 69
selection 63
sport 142
  - sport de competition 132
structure administrative 81, 83, 87
structure sociale 33
surveillance 11
systeme de valeurs 161, 162
systeme d'enseignement 89
systeme scolaire 148

traitement des donnees 128
test 130

universite 40
  - universite populaire 140
utilisateur 139, 154

validite 107

Register der Deskriptoren

Affektivität 64
aktivierende Methode 7
Allgemeinbildung 22, 116
Anpassung 23, 77, 111, 112
Anwerbung 149
Arbeit in der Klasse 6, 55
Arbeitsbedingungen 135
Arbeitsbeschreibung 71
Arbeitshaltung 56, 57, 84
Arbeitstechnick 56, 57
Architektur 88
Aufnahmeprüfung 10
Aufsatz 58, 82
Aufsicht 11
Auslese 63
Aussprache 144

Befriedigung im Beruf 113
Begriffsanalyse 101
Begriffsbildung 69
Benutzer 139, 154
Beobachtung 6, 9, 12, 13, 129
berufliches Streben 25
berufsbegleitende Ausbildung 122, 123
Berufsbildung 25, 26, 31, 110
Berufsklassifizierung 71
Beschäftigung Jugendlicher 113
Beteiligung 139
Bewertung 2, 11, 71
Bildungschance 27, 78, 89
Bildungsfähigkeit 20
Bildungsforschung 100
Bildungsgeschichte 4
Bildungsinformation 65
Bildungskosten 135
Bildungsplan 13, 42, 45, 47, 48, 49, 51, 52, 53, 67, 79, 82, 90, 91, 92, 102, 103, 104, 106, 124, 125, 126, 146, 147
Bildungsplanung 28, 66, 81, 98, 120, 127, 158
Bildungspolitik 20, 21, 22, 27, 28, 38, 93
Bildungsreform 21, 28, 163
Bildungstechnologie 99, 158
Bildungstheorie 5, 6, 9, 12, 13, 18, 26, 101
Bildungsverwaltung 40, 61, 83, 100
Bildungswesen 89
Bildungszustand 121

Datenverarbeitung 128
Debatte 148
Demographie 61
Didaktik 6, 9, 12, 13, 18
Disziplin 55
Drogensucht 34
Dropout 115

Ehe 35
Einfluss 29
Einstellung 2, 37, 108, 142, 155, 162
Einstellungänderung 84, 85, 86
Einwanderer 138
Einwegprogramm 119
Englisch 144
Entscheiden 121
Entwicklungspolitik 134
Ernährung 19
erste Fremdsprache 14, 42, 45, 47, 48, 49, 106, 107, 124, 144, 165
Erwachsenbildung 139, 140, 141
Erziehungsphilosophie 101
Erziehungsziel 5, 24, 33, 38, 40, 51, 88, 92, 95, 141, 146, 157
Evaluation 45, 46, 48, 49, 52, 57, 58, 68, 69, 70, 82, 89, 90, 91, 93, 94, 96, 102, 104, 106, 122, 123, 124, 124, 126, 141, 146, 147, 159, 160

Faktorenanalyse 37, 50
Fensehprogramm 96
Fernsehunterricht 133
Fertigkeit 56, 155
Finnisch 165
Förderunterricht 23, 41, 97
Folgestüdie 35, 111, 112, 114, 115, 116, 117, 118, 125, 126, 156
Forschungsmethode 36, 50, 117
Forscher 40
Frühlesen 43

Gebäude 88
Gemälde 64
Glaube 162
Graduierter 40
Grammatik 79, 165
Gruppenarbeit 16, 94
Gruppierung 93

Handwerk 155
Haushaltskontrolle 127
Hochschulbildung 42, 44, 59, 60, 61, 62, 67, 87, 96, 109, 143, 158
Hochschule 40
Hochschulinstitut 83

Ideologie 33
individualisierender Unterricht 92, 93
Individualisierung 39
Inhaltsanalyse 122
Innovation 1, 8
integrierter Bildungsplan 19, 31
intellektuelle Entwicklung 73, 74, 75
Interaktion 6, 9, 12, 13, 17, 18, 129
Interesse 142
internes Fernsehen 95, 109

Kindergarten 156
Kindesentwicklung 73, 75
körperliche Entwicklung 137
kognitive Entwicklung 43, 137, 156
kognitiver Prozess 131
Kommunikation 9, 12, 13
Kosten-Nutzenanalyse 66, 127, 145
Kreativität 130, 155
kulturelles Milieu 32, 80
Kunsterziehung 80

Landschule 30
Lehrer 135
 - Lehrerangebot 72
 - Lehrerbedarf 72
 - Lehrerbildung 2, 3, 5, 10, 11, 39, 123, 135, 147, 149
 - Lehrerfortbildung 99, 122, 123
 - Lehrerorganisation 148
 - Lehrerstudent 3, 10, 39
 - Lehrerverhalten 39, 116
Lehrfach 37
Lehrmittel 40, 64, 110
Lehrziel 14, 15, 46, 52, 53, 146, 157, 159
Leibeserziehung 129, 130, 131, 132
Leichtathletik 132
Leistung 78, 96, 111, 112, 115, 134, 137, 138, 143, 149
 - Leistungskontrolle 124, 157, 159
 - Leistungsmotivation 25, 114
 - Leistungssprot 132
 - Leistungssteigerung 23
 - Leitstungstest 45, 47, 48, 49, 58, 82, 90, 91, 102, 103, 104, 106, 107
Lernschwierigkeit 41, 54, 97, 111, 112, 165
Leseinteresse 164
Linguistik 79, 105
Literatur 164

Mathematik 15, 41, 54, 90, 91, 103
Menschenwürde 31
Messtechnik 108
Methodelogie 50
Migrant 77
Misserfolg 150
Motivation 68, 85, 86, 118
Muttersprache 7, 52, 53, 58, 79, 82, 102, 104, 105
Nachrichtenaufnahme 65
nationale Minderheit 134, 163
nationale Planung 60, 72, 89, 120
nicht-verbale Kommunikation 16
Numerus Clausus 59

Persönlichkeitsentwicklung 137
Personalverwaltung 145
Primarbildung 22
politisches Verhalten 29
polytechnische Bildung 24, 26
programmierter Unterricht 119

Prüfungssystem 44, 67
Psycholinguistik 43, 73, 74, 105

Qualifikationsgrad 152

Rechenzentrum 128

schlechtes Betragen 55
Schulfernsehen 95, 151, 154
Schulfunk 154
Schulmilieu 29
Schulreife 133
Schulsystem 148
Schulversuch 44, 67
Sekundarbildung 1, 7, 8, 17, 150, 160, 164
Selbstbewertung 119
Selbstbild 76
Sicherheitserziehung 69, 153
Sitzenbleiben 115
Skandinavien 142
soziale Ungleichheit 121
Sozialkunde 40, 161
Sozialmilieu 150, 152
Sozialpolitik 27
Sozialstruktur 33
Sozialwissenschaften 161
Sport 142
Sprachentwicklung 74, 75, 138
Sprachunterricht 14
statistische Analyse 128
statistische Methode 36
Streben 114, 152
Stundentafel 1, 68, 70, 84, 85, 86

technisches Personal 87
Test 130

Uebergang zur Arbeitswelt 113
Unternehmensforschung 98
Unterricht 17
Unterrichtsmethode 94
Unterrichtsprogramm 39, 51, 63, 76
Unterrichtsvorbereitung 46, 53

Validität 107
verbale Kommunikation 16, 18
vergl. Erziehungswissenschaft 60, 62
Verkehrserziehung 69
Versuchsschule 1, 8, 17, 30, 70, 85, 86
Verwaltungspersonal 81
Verwaltungsstrucktur 81, 83, 87
Volkshochschule 140
Vorschulerziehung 30, 32, 125, 126, 133, 136, 153
Vorschulkind 80, 151

Wahlfach 39, 63, 76, 92, 123
Wertsystem 161, 162
Wirtschaftsentwicklung 33
Wirtschaftskunde 160
Wohnortwechsel 35

Zulassungsbedingung 59, 78
Zweisprachigkeit 77, 138

Schlechtes Betragen 99
Schulfernsehen 95, 151, 154
Schulfunk 154
Schulmilieu 29
Schulreife 133
Schulsystem 148
Schulversuch 44, 67
Sekundarbildung 1, 7, 8, 17, 150, 160, 164
Selbstbewertung 119
Selbstbild 76
Sicherheitserziehung 69, 153
Sitzenbleiben 115
Skandinavien 142
soziale Ungleichheit 121
Sozialkunde 40, 161
Sozialmilieu 150, 152
Sozialpolitik 27
Sozialstruktur 33
Sozialwissenschaften 161
Sport 142
Sprachentwicklung 74, 75, 138
Sprachunterricht 14
statistische Analyse 128
statistische Methode 36
Streben 114, 152
Stundentafel 1, 68, 70, 84, 85, 86

technisches Personal 87
Test 130

Uebergang zur Arbeitswelt 113
Unternehmensforschung 98
Unterricht 17
Unterrichtsmethode 94
Unterrichtsprogramm 39, 51, 63, 76
Unterrichtsvorbereitung 46, 53

Validität 107
verbale Kommunikation 16, 18
verg. Erziehungswissenschaft 60, 62
Verkehrserziehung 69
Versuchsschule 1, 8, 17, 30, 70, 85, 86
Verwaltungspersonal 81
Verwaltungsstrucktur 81, 83, 87
Volkshochschule 140
Vorschulerziehung 30, 32, 125, 126, 133, 136, 153
Vorschulkind 80, 151

Wahlfach 39, 63, 76, 92, 123
Wertsystem 161, 162
Wirtschaftsentwicklung 33
Wirtschaftskunde 160
Wohnortwechsel 35

Zulassungsbedingung 59, 78
Zweisprachigkeit 77, 138

Index of researchers

Aaltonen, L. 53
Ahlström, A. 19
Ahonen, R. 53
Alikoski, J. 1,2
Andersson, H. 163,164
Andersson, K. 164
Apiola, H. 41

Berggren, O. 42
Blåfield, L. 43,73,74,75

Eronen, Y. 44,67

Geber, E. 165

Hakala, P. 45,47
Hakkarainen, P. 46
Hautamäki, J. 20,25
Havola-Pitkänen, L. 45,47,48,49
Heikkilä, J. 156
Heikkinen, V. 142
Heinilä, L. 129
Heinonen, V. 36,37,50
Hirvi, V. 51,52,53,58
Hirvonen, T. 151
Holopainen, P. 12,13
Hytönen, J. 1,2,3
Hytönen, M. 41,54
Hämäläinen, S. 55,56,57,58
Häyrynen, L. 24,26
Häyrynen, Y-P. 20,21,24,25,26,27,
28,31

Iisalo, T. 4

Jalkanen, H. 59,60,61,83
Jussila, J. 1
Jussila, M. 137
Järvelä-Mellais, M. 27,28

Kainulainen, P. 34,35
Kajava, K. 62
Kalliokoski, A. 142,143
Kananoja, T. 155
Kangasniemi, E. 39,63
Kansanen, P. 5,12
Kari, J. 36,37,64
Karma, K. 6,13
Karvonen, J. 161
Kasvio, A. 22
Kauppinen, S. 7
Kauppinen, T. 65
Kava, L. 8
Kettunen, P. 66
Kilpeläinen, M-L. 118
Koivisto, T. 152
Komulainen, E. 1,9,10,13
Kontiainen, S. 2,11
Konttinen, R. 44,67

Koponen, A. 68,70,97
Koppinen, A. 71,128
Koskenniemi, E. 13
Koskenniemi, M. 12,13
Koski, A. 29
Koskinen, A. 152
Kurkela, R. 72
Kuusinen, J. 73,74,75
Kyöstiö, O.K. 137

Lahdes, E. 157
Lahti, R. 76,77
Lahtinen, A. 69
Latola, R. 19
Laurén, L. 142
Lehtonen, H. 139,140
Lehtovaara, J. 144
Lehtovaara, M-L. 144
Leino, A-L. 14
Leino, J. 15
Leimu, K. 51,78
Leiwo, M. 79
Liikanen, P. 80,133
Lillberg, J. 81
Linnakylä, P. 52,53,58,82
Lintonen, O. 145

Marin, M. 40,83
Martikainen, M. 13,16
Mikkola, S. 151
Mikkonen, A. 53
Mäki-Rahkola, M. 84,85,86
Mällinen, R. 135
Määttä, P. 83,87

Niskanen, E. 88
Nummenmaa, T. 150,151,152,153,161
Nuorti, P. 53
Nuutinen, A. 44,67
Nuutinen, P. 30
Nygård, M. 136

Olkinuora, E. 89
Ollikainen, A. 41,154 41,154
Oravainen, K. 78

Panhelainen, M. 67
Partanen, I. 133
Pasanen, T. 51,90,91
Peisa, S. 96,109
Peltonen, J. 157
Perkki, L. 89
Piippo, T. 92,93,94
Pirttimäki, R. 95
Pitkänen, P. 96,130
Poutiainen, A. 128
Puro, J. 97

Rantalaiho, L. 161
Rauste, M-L. 162
Reitti, J. 66,98
Remes, P. 100,101
Renko, M. 50,99
Ruuhilehto, K. 153
Rönkkö, T. 151
Rönnholm, P-O. 102,103,104,106,107

Saari, H. 78,108
Salmela, R. 96,109
Salonen, P. 158
Sarola, J.P. 21,31
Sauri, M. 146
Sauvala, A. 38
Seitamo, L. 134
Shemeikka, S. 17
Sikanen, T. 96
Silvennoinen, M. 95,109
Skoglund, R. 13,18
Stellmacher, D. 105
Stenström, M-L. 110
Suomalainen, M. 111,112,113,114,115,
116,117,118,128
Suonperä, A. 142
Suonperä, M. 147
Suortti, J. 101,119
Svanfeldt-Winter, A-M. 32
Syvänen, M. 153
Sänkiaho, R. 120,121

Taavila, U. 152
Taipale, H. 96,99,122,123
Takala, A. 161
Takala, S. 124
Takala, T. 161
Telemäki, M. 148
Tiainen, J. 130,131
Tiihonen, E. 125,126
Toiskallio, J. 159
Toiviainen, J. 128
Toiviainen, P. 152
Toukomaa, P. 138
Tuomisto, J. 139,140,141
Turtiainen, K. 66,127
Tuunainen, K. 23

Vahalakka, M. 151
Vaherva, T. 137
Vikainen, I. 160
Vikman, T. 150,152
Viskari, S. 149
Vuolle, P. 132
Väätäinen, R. 19

Uuttu-Tuominen, L. 33

Ylinentalo, O. 128

Julkaisija:

Kasvatustieteiden tutkimuslaitos
Jyväskylän yliopisto
40100 Jyväskylä 10

Utgivare:

Pedagogiska forskningsinstitutet
Jyväskylä universitet
SF-40100 Jyväskylä 10, Finland

Published by:

Institute for Educational Researc
University of Jyväskylä
SF-40100 Jyväskylä 10, Finland

ISBN 951-677-386-9

343